Tri-Party Agreement
Monthly Milestone Review Meeting
December 18, 2007

Office of River Protection

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

November 2007

Agenda

Office of River Protection
Tri-Party Agreement
Managers Milestone Review Meeting
2440 Stevens, CR 1200
December 18, 2007
9:00 a.m. – 12:00 p.m.

Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl /Jeff Lyon	9:00
52	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:10
54	M-45-00, Complete Closure of All Single-Shell Tank Farms	Roger Quintero / Jeff Lyon	9:30
63	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	10:00
64	M-23-00, Tank Integrity and Monitoring	John Long / Jeff Lyon	10:10
65	In Tank Characterization and Summary	John Long / Michael Barnes	10:20
66	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Corbun Babel / Les Fort	10:30
68	M-48-00, DST Integrity Assessment Program	Cathy Louie / Les Fort	10:40
69	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Cathy Louie / Bud Derrick	10:50
	BREAK		
15	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl /Jeff Lyon	11:10
87	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Ben Harp / Suzanne Dahl	11:20
75 - 86	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Suzanne Dahl	11:30

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 03/31/06	Milestone Number	Due Date	Milestone Number	Due Date
M-20-00, Submit Part B Permit Application on Closure/Post Closure Plans for all RCRA TSD Units	12/31/08 (M-20-00)	0				
M-23-25, Tank Integrity and Monitoring	03/31/05 (M-23-25)	0				
M-23-27, Complete 244-CR Liquid Level Assessment	12/30/04	0				
M-42-00, Provide Additional DST Capacity	TBD	1	M-42-00	TBD		
M-43-00, Complete Tank Farm Upgrades	06/30/05 (M-43-00)	0				
M-45-00, Complete Closure of all SST Farms	09/30/24 (M-45-00)	31	M-45-00 M-45-00B M-45-00C M-45-00D M-45-02 M-45-02N M-45-02O M-45-05 M-45-05A M-45-05-T05 M-45-05-T06 M-45-05-T07 M-45-05-T08 M-45-05-T09 M-45-05-T10 M-45-05-T11 M-45-05-T12	09/30/24 09/30/06 09/30/06 01/31/08 TBD 03/01/08 03/01/10 09/30/18 03/31/07 09/30/07 09/30/08 09/30/09 09/30/10 09/30/11 09/30/12 09/30/13 09/30/14	M-45-05-T13 M-45-05-T14 M-45-05-T15 M-45-06 M-45-06-T03 M-45-06-T04 M-45-13 M-45-13A M-45-13B M-45-15 M-45-55 M-45-56 M-45-58 M-45-59 M-45-60 M-45-61 M-45-62	09/30/15 09/30/16 09/30/17 09/30/24 03/31/12 03/31/14 06/30/11 12/31/07 12/31/07 06/30/11 01/31/08 TBD 12/31/08 TBD 12/31/08 12/31/10 07/31/12
M-47-00, Complete All Work for Phase 1 Operations	02/28/18 (M-47-00)	3	M-47-00 M-47-03A	02/28/18 03/31/09	M-47-06	06/30/10
M-50-00, Complete Pretreatment Processing of Hanford Tank Waste	12/31/28 (M-50-00)	1	M-50-00	12/31/28		
M-51-00, Complete Vitrification of Hanford High Level Tank Waste	12/31/28 (M-51-00)	1	M-51-00	12/31/28		
M-61-00* (alternate path), Complete Pretreatment & Immobilization of Hanford Low Activity Tank Waste	12/31/28 (M-61-00)	1	M-61-00	12/31/28		
M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	12/31/28 (M-62-00)	9	M-62-00 M-62-00A M-62-01P M-62-01Q	12/31/28 02/28/18 01/31/08 07/31/08	M-62-07B M-62-08 M-62-09 M-62-10 M-62-11	12/31/07 06/30/06 02/28/09 01/31/11 06/30/07
M-90-00, Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD (M-90-00)	3	M-90-00 M-90-10 M-90-11	TBD 08/31/08 08/31/10		
M-48-00, DST Integrity Program, Submit Results of 4 DSTs not Previously Examined	09/30/07	0				
Interim Stabilization Consent Decree	09/30/04 (D-001-00)	1	D-001-00			
Total Active Milestones:		**51**				

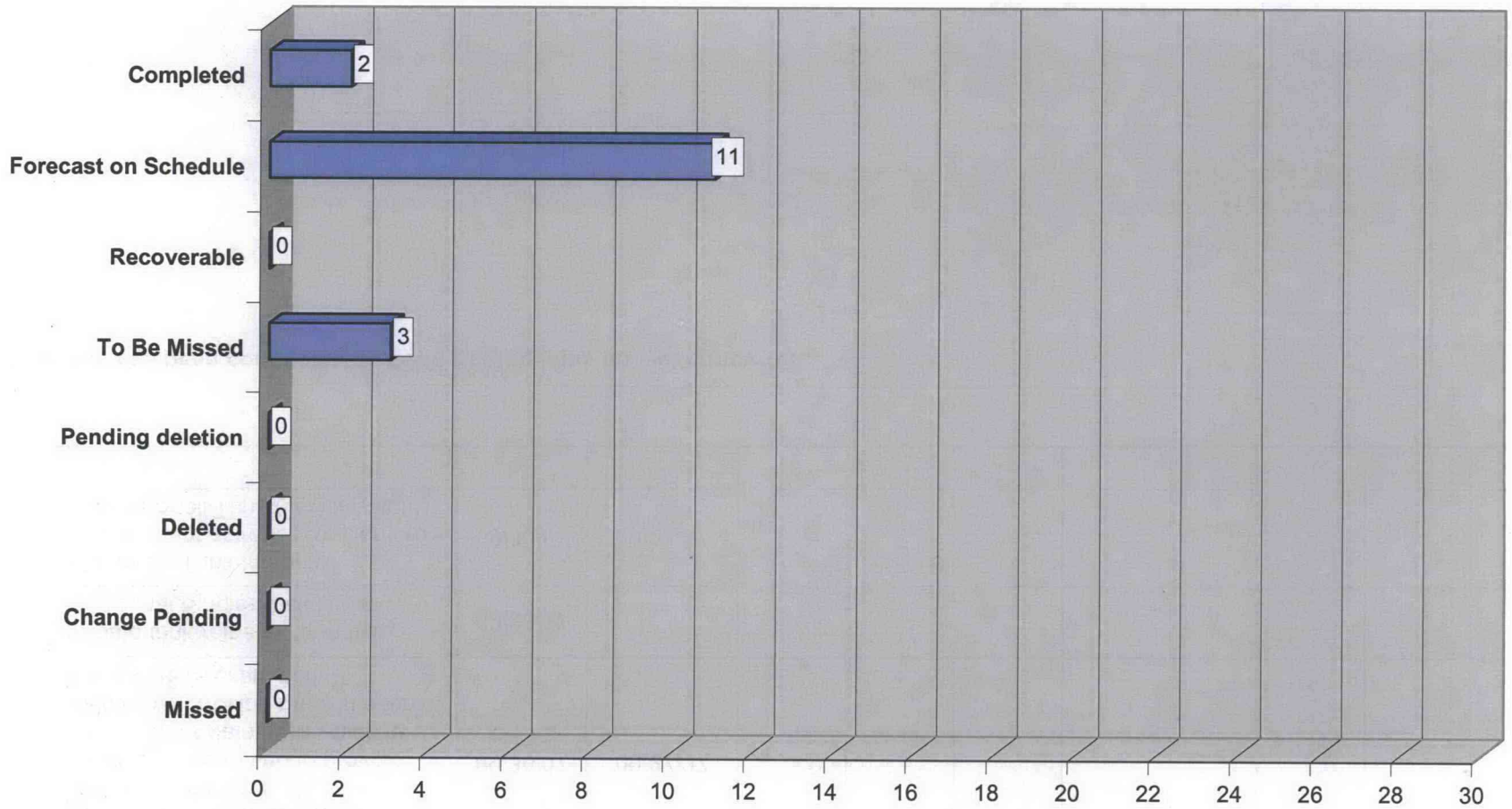
Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	102										
D-001-00-R32	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	04/30/07	04/27/07								
M-062-11	Submit a Final Hanford Tank Waste Treatment Baseline. Following completion of negotiations required by M-62-08, DOE will modify its draft baseline as required and submit its revised, agreed-to baseline for treating all Hanford Tank Waste (HLW, LAW, and TRU) by 12/31/2028.	06/30/07						X			
M-045-56C	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/07	07/31/07								
D-001-00-R33	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	07/31/07	07/30/07								
M-062-01O	Submit Semi-Annual Project	07/31/07	07/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status											
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	Compliance Report										
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07	09/27/07								
M-045-05-T05	Initiate tank retrieval from five additional Single-Shell tanks.	09/30/07						X			
M-048-00	Complete Tank Integrity Assessment activities for Hanford's Double Shell Tank (DST) system.	09/30/07	09/27/07								

*** Milestone has been completed by ORP, Ecology has not yet concurred.**

FY 2008 MILESTONE PERFORMANCE



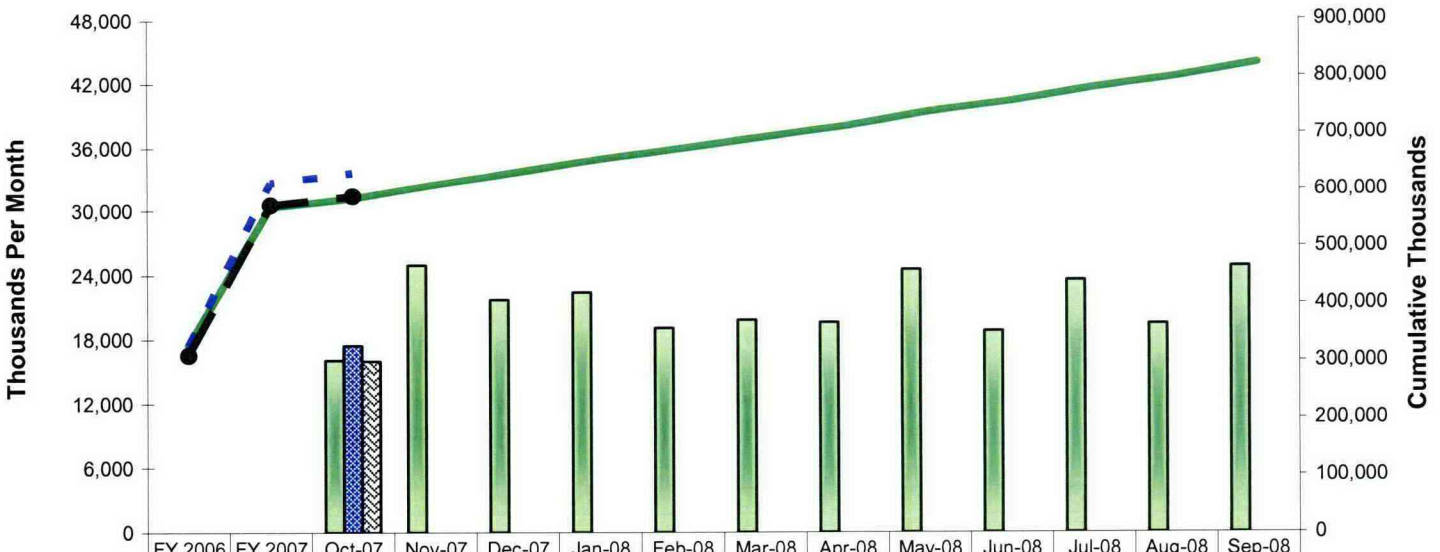
Fiscal Year 2008 Tri-Party Agreement Milestone Status											
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R34	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	10/31/07	10/31/07								
M-045-13-A	Submit to Ecology a Retrieval Data Report for S-112 pursuant to Agreement Appendix I	12/31/07		X							
M-045-13-B	Remaining waste have been adequately characterized, and a risk assessment completed for S-112 residuals that remain in the tank	12/31/07		X							
M-062-07B	Complete Assembly of LAW Vitrification Facility melter #1 and complete move of #1 melter into the HLW Vitrification Facility	12/31/07					X				
M-062-01P	Submit Semi-Annual Project Compliance Report	01/31/08		X							
M-045-55	Submit to Ecology a Phase 1 RFI report integrating results of data gathering activities and evaluations for all SST WMAs	01/31/08		X							
D-001-00-R35	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/08		X							
M-045-00D	Initiate negotiations of SST waste	01/31/08					X				

Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	retrieval and closure for 2008-2013										
M-045-02N	Submit Biennial Update	03/01/08		X							
M-045-02N-A	Three Parties shall meet to establish new milestones within 60 days, if required, for acquisition of additional tanks	04/30/08		X							
D-001-00-R36	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/08		X							
M-045-00D-A	Negotiations shall be complete within 150 days	06/29/08					X				
M-045-56D	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/08		X							
D-001-00-R37	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/08		X							
M-062-01Q	Submit Semi-Annual Project Compliance Report	07/31/08		X							
M-090-10	Ready to accept placement of ILAW in ILAW Disposal Facility	08/31/08	02/13/07								

CURRENT MONTH/CONTRACT TO-DATE PERFORMANCE – GRAPH

CH2M HILL Contract-to-Date Performance ($000)
10/2005 - 10/2007



	FY 2006	FY 2007	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	0	0	16,097	24,963	21,712	22,394	19,078	19,831	19,581	24,515	18,776	23,498	19,429	24,788
Mthly Perf (BCWP)	0	0	17,469											
Mthly Actuals (ACWP)	0	0	16,004											
CTD Plan (BCWS)	328,060	569,029	585,126	610,089	631,801	654,195	673,273	693,104	712,685	737,200	755,976	779,474	798,903	823,691
CTD Perf (BCWP)	326,127	613,344	630,813											
CTD Actuals (ACWP)	310,197	573,240	589,243											

BCWS = Budgeted Cost For Work Scheduled **BCWP = Budgeted Cost for Work Performed** **ACWP = Actual Cost for Work Perform**

CURRENT MONTH (CM) PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CURRENT MONTH PERFORMANCE MEASUREMENT - 10/2007

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Current Month						
		Budgeted Cost			Variance			
WBS	TITLE	Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV %
5.07	**BASE OPERATIONS - Excluding 5.07.02**	8,422.8	8,133.2	5,824.2	(289.6)	-3.4%	2,308.9	28.4%
5.07.02	Env/TPA Milestone Achievement	661.8	608.5	820.0	(53.3)	-8.1%	(211.5)	-34.8%
	TOTAL BASE OPERATIONS	9,084.6	8,741.7	6,644.3	(342.9)	-3.8%	2,097.4	24.0%
5.08	**RETRIEVE AND CLOSE - Excluding foll. WBS Elements**	0.0	0.0	(0.1)	0.0	0.0%	0.1	0.1%
5.08.02	WTP Feed Delivery Program	439.2	439.2	376.3	0.0	0.0%	62.9	14.3%
5.08.03	DST Retrieval Program	0.0	80.3	6.0	80.3	80.3%	74.3	92.5%
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	0.0	441.4	231.2	441.4	441.4%	210.1	47.6%
5.08.04.02	Upgrade Transfer System (E-525)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.08.05	Retrieval / Closure Program	2,934.6	2,715.6	3,651.1	(218.9)	-7.5%	(935.4)	-34.4%
5.08.06/.07	SST Retrieval East / West Area	1,469.5	2,314.5	1,996.5	845.1	57.5%	318.1	13.7%
5.08.12/.13	SST Closure	19.3	19.3	26.6	0.0	0.0%	(7.3)	-38.0%
	TOTAL RETRIEVE AND CLOSE	4,862.5	6,010.4	6,287.7	1,147.9	23.6%	(277.2)	-4.6%
5.09	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	306.5	307.5	222.4	1.0	0.3%	85.0	27.7%
5.09.02.02	TRU / LLW Packaging	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.02.03/.08	LAW Treatment	43.1	43.0	14.5	0.0	0.0%	28.5	66.3%
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	181.9	712.7	1,500.9	530.8	291.9%	(788.2)	-110.6%
5.09.03.01	Integrated Disposal Facility	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.03.04	Initial IHLW Storage Facility (W-464)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
	TOTAL TREAT AND DISPOSE WASTE	531.4	1,063.2	1,737.9	531.8	100.1%	(674.7)	-63.5%
5.10	**ANALYTICAL/TECHNICAL SERVICES**	1,618.9	1,653.6	1,333.9	34.7	2.1%	319.7	19.3%
TFC TOTAL		**16,097.4**	**17,468.9**	**16,003.7**	**1,371.4**	**8.5%**	**1,465.1**	**8.4%**

BCWS = Budgeted Cost For Work Scheduled **BCWP = Budgeted Cost for Work Performed** **ACWP = Actual Cost for Work Perform**

CONTRACT-TO-DATE PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2005 - 10/2007

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Cumulative Contract-To-Date									
		Budgeted Cost			Variance						
WBS	TITLE	Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV %	Budget at Completion (BAC)*	Accelerated Scope**	Estimate at Completion (EAC)***
5.07	**BASE OPERATIONS - Excluding 5.07.02**	283,156.9	283,358.1	265,254.0	201.2	0.1%	18,104.1	6.4%	414,933.4	3,399.2	383,943.3
5.07.02	Env/TPA Milestone Achievement	37,149.8	40,150.2	39,029.7	3,000.4	8.1%	1,120.5	2.8%	48,986.5	4,431.6	52,924.8
	TOTAL BASE OPERATIONS	320,306.7	323,508.4	304,283.7	3,201.6	1.0%	19,224.6	5.9%	463,919.9	7,830.8	436,868.1
5.08	**RETRIEVE AND CLOSE - Excluding foll. WBS Elements**	0.0	268.4	204.2	268.4	268.4%	64.2	23.9%	0.0	298.2	248.2
5.08.02	WTP Feed Delivery Program	15,051.1	15,051.1	13,559.8	0.0	0.0%	1,491.3	9.9%	22,019.8	0.0	19,889.2
5.08.03	DST Retrieval Program	1,676.3	1,930.7	2,210.5	254.4	15.2%	(279.8)	-14.5%	1,676.3	1,338.9	2,529.2
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	2,865.8	6,656.1	6,852.5	3,790.4	132.3%	(196.4)	-2.9%	2,865.8	7,892.0	10,801.7
5.08.04.02	Upgrade Transfer System (E-525)	2,712.4	2,712.4	2,982.8	0.0	0.0%	(270.4)	-10.0%	2,712.4	0.0	2,982.8
5.08.05	Retrieval / Closure Program	104,033.4	101,798.3	95,993.7	(2,235.1)	-2.1%	5,804.6	5.7%	148,974.5	0.0	142,913.4
5.08.06/.07	SST Retrieval East / West Area	42,388.1	69,869.1	60,653.9	27,481.0	64.8%	9,215.1	13.2%	52,240.1	64,820.8	83,428.7
5.08.12/.13	SST Closure	795.8	795.8	754.2	0.0	0.0%	41.6	5.2%	1,101.8	0.0	1,125.6
	TOTAL RETRIEVE AND CLOSE	169,522.8	199,081.9	183,211.6	29,559.1	17.4%	15,870.3	8.0%	231,590.7	74,349.9	263,918.8
5.09	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	9,041.4	9,054.2	7,277.4	12.9	0.1%	1,776.8	19.6%	13,904.0	0.0	11,354.6
5.09.02.02	TRU / LLW Packaging	0.0	0.0	65.6	0.0	0.0%	(65.6)	-65.6%	0.0	0.0	65.6
5.09.02.03/.08	LAW Treatment	1,467.1	1,467.2	1,384.8	0.0	0.0%	82.4	5.6%	2,150.2	0.0	2,043.4
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	26,821.1	39,976.2	42,772.1	13,155.1	49.0%	(2,795.9)	-7.0%	28,231.4	13,841.7	44,438.4
5.09.03.01	Integrated Disposal Facility	7,132.9	7,132.9	5,366.1	0.0	0.0%	1,766.8	24.8%	7,132.9	0.0	5,366.1
5.09.03.04	Initial IHLW Storage Facility (W-464)	109.4	109.4	35.1	0.0	0.0%	74.3	67.9%	109.4	0.0	35.1
	TOTAL TREAT AND DISPOSE WASTE	44,571.9	57,739.9	56,901.1	13,168.0	29.5%	838.8	1.5%	51,527.8	13,841.7	63,303.2
5.10	**ANALYTICAL/TECHNICAL SERVICES**	50,724.7	50,483.2	44,847.0	(241.6)	-0.5%	5,636.2	11.2%	76,652.5	0.0	66,581.6
TFC TOTAL		**585,126.1**	**630,813.3**	**589,243.3**	**45,687.2**	**7.8%**	**41,569.9**	**6.6%**	**823,690.9**	**96,022.4**	**830,671.6**
					BAC					**823,690.9**	
					Adjusted Total with Accelerated Scope					**919,713.3**	

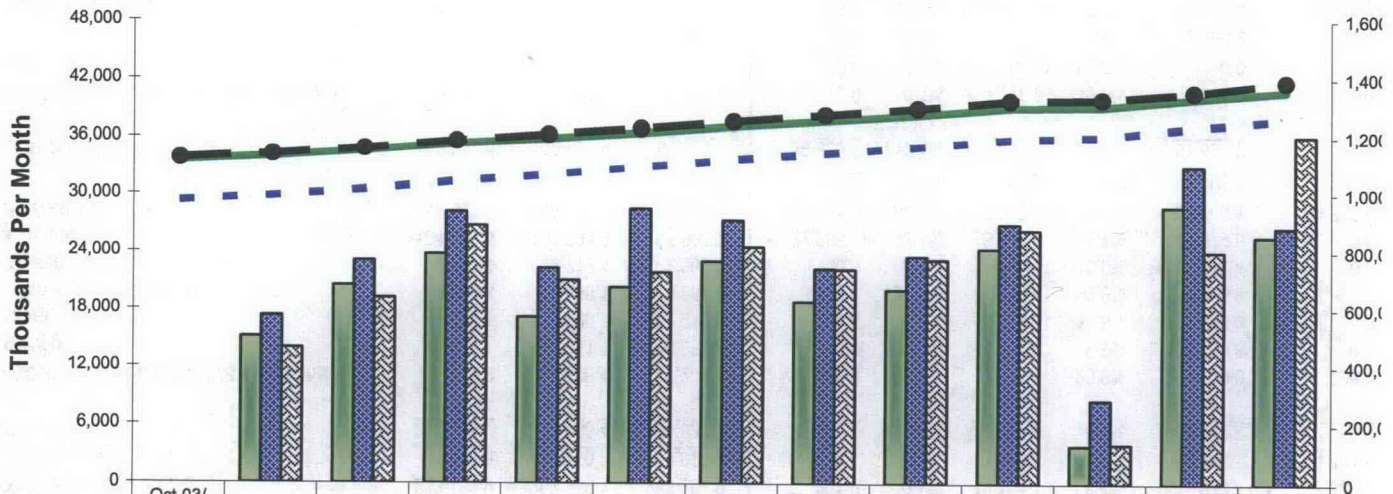
* BAC on this chart and in succeeding Cumulative Performance tables is for the period FY 2006 - FY 2008.

** The following accelerated work is included in the EAC and in the adjusted total: Tanks 241-C-104, 241-C-110, 241-S-102 Retrievals; W-314 and WFO Upgrades work; Cross-Site Transfer; and DBVS Technology Development.

*** EAC on this chart is for the contract period (through FY 2008).

PROGRAM-TO-DATE (PTD) Performance - Graph

CH2M HILL Program-to-Date Performance ($000)
10/2003 - 09/2007



	Oct-03/ Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Mthly Plan (BCWS)	0	15,128	20,472	23,767	17,166	20,273	23,002	18,789	20,012	24,311	3,885	28,655	25,630
Mthly Perf (BCWP)	0	17,306	23,051	28,161	22,301	28,455	27,319	22,213	23,470	26,889	8,568	32,946	26,539
Mthly Actuals (ACWP)	0	13,947	19,194	26,739	21,044	21,870	24,530	22,166	23,155	26,238	4,033	24,019	36,108
PTD Plan (BCWS)	1,115,886	1,131,014	1,151,486	1,175,253	1,192,419	1,212,692	1,235,694	1,254,483	1,274,495	1,298,806	1,302,691	1,331,347	1,356,976
PTD Perf (BCWP)	974,119	991,425	1,014,476	1,042,637	1,064,938	1,093,393	1,120,712	1,142,925	1,166,395	1,193,284	1,201,852	1,234,798	1,261,337
PTD Actuals (ACWP)	1,126,775	1,140,722	1,159,916	1,186,655	1,207,700	1,229,569	1,254,099	1,276,265	1,299,420	1,325,657	1,329,691	1,353,709	1,389,817

BCWS = Budgeted Cost For Work Scheduled **BCWP = Budgeted Cost for Work Performed** **ACWP = Actual Cost for Work Perform**

PTD Cost/Schedule Performance – Chart

CH2M HILL Hanford Group, Inc.
CUMULATIVE PERFORMANCE MEASUREMENT - 10/2003 - 09/2007
BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Cumulative Program-To-Date						
		Budgeted Cost			Variance			
WBS	TITLE	Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV %
5.07	**BASE OPERATIONS - Excluding 5.07.02**	535,063.2	532,156.6	531,310.3	(2,906.7)	-0.5%	846.3	0.2%
5.07.02	Env/TPA Milestone Achievement	94,445.0	88,773.6	78,719.6	(5,671.3)	-6.0%	10,054.0	11.3%
	TOTAL BASE OPERATIONS	629,508.2	620,930.2	610,029.8	(8,578.0)	-1.4%	10,900.3	1.8%
5.08	**RETRIEVE AND CLOSE - Excluding foll. WBS elements**	6,785.7	7,208.2	4,171.4	422.5	6.2%	3,036.7	42.1%
5.08.02	WTP Feed Delivery Program	36,056.8	35,891.4	43,935.1	(165.5)	-0.5%	(8,043.7)	-22.4%
5.08.03	DST Retrieval Program	30,547.2	21,635.0	25,624.6	(8,912.2)	-29.2%	(3,989.6)	-18.4%
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	37,633.4	37,817.7	45,056.6	184.3	0.5%	(7,238.9)	-19.1%
5.08.04.02	Upgrade Transfer System (E-525)	17,307.8	14,165.1	26,709.8	(3,142.7)	-18.2%	(12,544.7)	-88.6%
5.08.05	Retrieval / Closure Program	191,327.6	178,899.1	192,369.3	(12,428.4)	-6.5%	(13,470.2)	-7.5%
5.08.06/.07	SST Retrieval East / West Area	134,542.7	106,371.9	174,772.4	(28,170.9)	-20.9%	(68,400.6)	-64.3%
5.08.12/.13	SST Closure	17,440.5	7,579.6	11,005.2	(9,860.9)	-56.5%	(3,425.6)	-45.2%
	TOTAL RETRIEVE AND CLOSE	471,641.7	409,567.9	523,644.5	(62,073.8)	-13.2%	(114,076.6)	-27.9%
5.09	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	30,920.9	28,090.5	21,777.1	(2,830.4)	-9.2%	6,313.4	22.5%
5.09.02.02	TRU / LLW Packaging	28,343.4	11,695.5	19,883.5	(16,647.9)	-58.7%	(8,188.0)	-70.0%
5.09.02.03/.08	LAW Treatment	6,073.4	5,918.2	6,161.5	(155.2)	-2.6%	(243.3)	-4.1%
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	58,842.4	59,966.0	98,488.9	1,123.6	1.9%	(38,522.9)	-64.2%
5.09.03.01	Integrated Disposal Facility	33,911.0	29,670.8	20,707.4	(4,240.2)	-12.5%	8,963.4	30.2%
5.09.03.04	Initial IHLW Storage Facility (W-464)	4,789.3	4,553.4	2,673.2	(235.9)	-4.9%	1,880.2	41.3%
	TOTAL TREAT AND DISPOSE WASTE	162,880.4	139,894.3	169,691.6	(22,986.0)	-14.1%	(29,797.2)	-21.3%
5.10	**ANALYTICAL/TECHNICAL SERVICES**	92,946.1	90,944.3	86,451.2	(2,001.8)	-2.2%	4,493.2	4.9%
RPP TOTAL		**1,356,976.4**	**1,261,336.8**	**1,389,817.1**	**(95,639.7)**	**-7.0%**	**(128,480.4)**	**-10.2%**

* BAC on this chart and in succeeding Cumulative Performance tables is for the period through FY 2008.

EXECUTIVE SUMMARY

ON

TANK FARM EARNED VALUE REPORTING

This Executive Summary reports the cost and schedule performance for the Tank Farm Contractor (TFC), CH2M HILL Hanford Group, Inc. for the month October 2007.

The company's current month (CM) cost variance (CV) was a positive $1.5M which increased the favorable contract-to-date (CTD) CV from $40.1M to $41.6M. The CM CV of $1.5M is due to cost efficiencies in TFC Program Support, Services and Liquidations; ATS; C Farm Retrievals and other areas which are partially offset by T Farm Barrier construction cost overruns, DBVS subcontractor rate increases resulting from a Defense Contract Audit Agency audit and unplanned S-102 spill event recovery costs.

The CTD CV of $41.6M is due to variances for 1) C-100 Tanks and infrastructure due to efficiencies in preparation and retrieval work for Tanks C-109, C-108, C-104, and C-110; 2) efficiencies in S Farm tank retrievals; 3) Tank Farm Program support and Site Services savings and cost efficiencies in Shared Services, Miscellaneous Services, Liquidations, Executive Management, Legal, and Information Resource Management; 4) Waste Feed Operations (WFO) due to savings and efficiencies in Surveillance and Monitoring, DST to DST Transfers, Project Controls, Cross-Site Transfers, Essential Services, Isolation of Transfer System Components and miscellaneous other accounts; 5) Closure Operations Base Operations due to efficiencies in the Essential Services and Infrastructure accounts; 6) 222S Laboratory Services due to less than planned dedicated and matrixed staff, planning labor rates being greater than actual costs, and revised waste volume projections for 222S base services less than originally planned; and 7) labor efficiencies and cost savings in other areas including Engineering, Safe Work Environment/Personnel Readiness, Safety, Health and Quality Assurance and Strategic Planning and Project Controls. These favorable CVs are partially offset by unfavorable variances for: 1) Low-Activity Waste (LAW) Treatment due to DBVS design labor and subcontract costs incurred in FY 2006; 2) Vadose Zone due to T Barrier construction activities costs higher than baseline estimates due to additional steps required to complete required work; 3) C-100 and C-200 Tanks due to overruns on C-103 and C-201 to C-204 retrievals due to technical difficulties; 4) Office of the Vice President Project Delivery due to additional resources necessary to manage unplanned work for the Expert Panel Review issues resolution, Molten Ionic Salt issue resolution, the Integrated Dryer

and Melter Test and a cost correction for exhauster fabrication; 5) Chief Financial Officer-Business Services due to an early pension payment of $11M which offsets an under-liquidation of Continuity of Service (COS) Benefits applied to salary costs; 6) Single-shell tank (SST) and WFO Technical Safety Requirement/Basic Maintenance; and 7) unplanned costs for the S-102 spill event investigation and recovery.

Action: The early pension payment will be recovered in FY 2008 through a reduced COS rate applied to labor. A value engineering study and analysis is planned to reduce the cost of future interim surface barriers. Variances for completed work are not recoverable

The company's CM positive schedule variance (SV) was $1.4M which increased the contract-to-date (CTD) favorable SV from $44.3M to $45.7M. The CM SV of $1.4M is due to acceleration (work performed that is planned outside the Contract period in the Baseline) of Tanks C-104 and C-110 Retrievals, Project W-314 and DBVS Project; and ahead of schedule work on Tank C-109 Retrieval.

The company's CTD SV is due to positive variances for 1) C-100 Tank accelerated work on C-104 and C-110 retrievals, C-Farm Infrastructure and work completed ahead of schedule for C-108 and C-109 retrievals; 2) LAW Treatment accelerated work for DBVS Technology Development and Design to address Expert Review Panel (ERP) issues; 3) Tank S-102 Retrieval accelerated work; 4) W-314 Project accelerated work for completion and turnover of AN, AP, AW, SY Farms electrical upgrades, and the Master Pump Shutdown/Monitoring and Control System (MCS); and 5) WFO Base Operations accelerated work for cross-site transfers and the SY prefabricated pump pit line replacement, as well as work completed ahead of schedule for DST to DST transfers and 242-A Evaporator campaign, all in support of SST retrievals. These favorable SVs have minor offsetting unfavorable variances for 1) Closure Projects due to delays in the Hose-in-Hose Transfer Line (HIHTL) Disposition Project pending a Life Extension Study and agreement with Regulators on a path forward and delays in the 244-CR Vault work and Liquid Mitigation of Catch Tanks/Double-Contained Receiver Tanks due to alternate pump replacement based on S-102 spill event lessons learned; 2) WFO Projects due to delays in initiating work on SL-3160 encasement leak check and DST valve assembly upgrades as a result of revisions to WFO priorities; 3) the Regulatory documentation due to delays in receipt and resolution of comments from the Nuclear Regulatory Commission required to reissue the SST Performance Assessment (PA); and 4) 222S Laboratory Base Services due to delays in installation of the Inductively Coupled Plasma Mass Spectrometer (ICP/MS).

Action: The favorable SV will continue for accelerated and ahead of schedule work. Based on negotiations with Regulators and the Life Extension Study, the HIHTL Disposition Project work for FY 2007 - FY 2009 is being re-planned via a BCR. The 244-CR Vault and Liquid Mitigation of Catch Tanks work will resume when alternate pumps are delivered in December 2007. SST PA review comments from the U.S. Environmental Protection Agency (EPA) and the Washington State Department of Ecology (Ecology) are being addressed

pending receipt of comments from the U.S. Nuclear Regulatory Commission (NRC) (follow-on documents that rely on the SST PA are not impacted). The ICP/MS work has resumed and will be completed in January 2008.

5.07 - BASE OPERATIONS (EXCLUDES 5.07.02)

Scope Description: The baseline scope for this Work Breakdown Structure (WBS) includes monitoring and maintaining the DSTs and equipment in compliance with TSRs, and Environmental, Safety, Health and Quality programmatic requirements. This scope also includes necessary support activities such as project management, engineering, business services, and support to training and procedures. Base Operations also provides site, shared, and miscellaneous services including Service Assessment Pool and Advanced Medical Services. In addition, the contract fee for FY 2006 is included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	8,422.8	8,133.2	5,824.2	(289.6) -3.4%	2,308.9 28.4%	
CTD	283,156.9	283,358.1	265,254.0	201.2 0.1%	18,104.1 6.4%	414,933.4

Note (All tables): Dollars in thousands.

SCHEDULE VARIANCE

Description and Cause: The CTD variance is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: Significant contributors to the CM favorable CV include Project Support costs (Labor Contract Ratification accrual reversal and ongoing efficiencies in TFC Executive Management, Legal Counsel, Manage Facilities and Property Services, Safe Work Environment, Standards and Compliance and RPP Baseline Integration Support); efficiencies in Essential Services (Flour Hanford, Inc. [FH] allocation for Site-Wide Services and Shared Services and

Miscellaneous Services) and liquidation of Continuity of Service rates on labor (more employees worked for others than anticipated in the baseline); efficiencies in Base Operations Tank Waste Sampling (less core and grab sample analysis) and other areas (WFO Safe Storage Surveillance and monitoring and Radcon Surveys, Tank Chemistry Control, Authorization Basis and Assessments); and efficiencies in Other Mission Support (AY/AZ Upgrades for AZ-102 pump run-in and jumper fabrication). The favorable variances are partially offset by minor unfavorable variances in Evaporator Upgrades (HVAC System subcontractor costs and design support); and WFO TSR/Basic Maintenance (supporting the 242-A Evaporator Upgrades with the AP Farm Outage during overtime).

Significant contributors to the CTD favorable CV include efficiencies in Essential Services (FH allocation for Site-Wide Services and Shared Services and Miscellaneous Services) and liquidation of Continuity of Service rates on labor (more employees worked for others than anticipated in the baseline); ongoing efficiencies in Base Operations (WFO Safe Storage Surveillance and Monitoring, Tank Waste Sampling, Industrial Health and Safety/HASP, QA Program, Assessments, PAAA Program, WFO Essential Services, WFO Facilities Operations Management, WFO Bargaining Unit Training and Nuclear Operations Program Management); ongoing efficiencies in Project Support (RPP Baseline Integration Support, Information Resource Management, TFC Executive Management, Legal Counsel, Manage Facilities and Property Services and Standards and Compliance); and cost efficiencies on Work Force Realignment and Restructure (fewer employees impacted by IROF in 2006 than anticipated). The favorable variances are partially offset by unfavorable variances related to WFO TSR/Basic Maintenance (efforts to reduce the PM/CM backlog and support to S Farm Retrieval acceleration including DST to DST Transfers and Cross-Site Transfer, electrical outages and cathodic protection); Tank Chemistry Control (AN-107 Probe costs); Environmental Health Program costs for Vapors sampling support and ATL Readiness to Serve adder; Labor Relations (subcontractor support to HAMTC Contract negotiations and ratification); Procurement and Contracts costs (work performed on the Marshalling Yard and Connector Road Improvements); and Finance (early pension payment made in September 2007

of $11M which offset CTD under liquidations of Continuity of Service Benefits applied to salary costs).

Impact: None.

Corrective Action: The early pension payment will be recovered by the application of a reduced Continuity of Service rate on FY 2008 labor. The favorable CVs are expected to continue for the level of effort Support and Base Operations accounts.

5.07.02 - ENVIRONMENTAL/TRI-PARTY AGREEMENT MILESTONE ACHIEVEMENT

Scope Description: The baseline provides for the safe and compliant storage of the Hanford Site tank wastes until waste is retrieved for processing (currently 53 million gallons of waste in 177 SSTs and DSTs and approximately 60 miscellaneous underground storage tanks). This includes monitoring and maintaining activities associated with the Hanford Federal Facility Agreement and Consent Order, commonly referred to as the Tri-Party Agreement. Scope includes compliance efforts to meet Tri-Party Agreement Milestones M-23, M-46, and M-48, including characterization, DST Space Management and DST Integrity. Scope includes transfer operations, and the operations and maintenance of the 242-A Evaporator to reduce the volume of waste stored in DSTs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	661.8	608.5	820.0	(53.3) -8.1%	(211.5) -34.8%	
CTD	37,149.8	40,150.2	39,029.7	3,000.4 8.1%	1,120.5 2.8%	48,986.5

SCHEDULE VARIANCE

Description and Cause: The CTD favorable SV is due to early performance of DST to DST Transfers (supports tank retrievals, Evaporator and tank level increases) and 242-A Evaporator Campaign 08-01; and work accelerated (planned outside the contract period in the baseline) for Cross-Site Transfers and the SY PPP Line Replacement, both in support of tank retrievals.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to DST Integrity work on the AY-101 UT (cleaning effort) and 242-A Evaporator Operations and Maintenance (contract support for steam and laboratory analysis).

The CTD favorable CV is due to efficiencies in completing DST to DST Transfers, Cross-Site Transfers, DST Facility Upgrades Project Management and the Environmental Support and Assessment Program. Favorable CV's are partially offset by unfavorable variances for the DST Integrity Project (AP Valve Pit Integrity Assessment, AY-101 and AN-107 UT, IQRPE services and DST Infrastructure Integrity Assessment); Catch Tank Pumping (UX-302-A and ER-311); SY PPP Line Replacement; and Increase Specific Gravity costs.

Impact: None.

Corrective Action: The October costs for Evaporator steam and laboratory analysis will be validated with vendors and adjustments made in November, if necessary. Lessons learned on the AP Valve Pit integrity work has been incorporated into ongoing work with notable improvements.

5.08 - RETRIEVE AND CLOSE (EXCLUDES 5.08.02/.03; 5.08.04.01/.02; 5.08.05/.06/.07/.12/.13)

Scope Description: In the future, specific life cycle scope in this WBS includes DST Retrieval and Closure, Closure of Long Term Facilities, and Post Closure Monitoring. These activities are all outside of the contract period reporting window. The scope also includes preparation of a 200-IS-1 Operable Unit Work Plan and Sampling and Analysis Plan as directed by the ORP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	(0.1)	0.0 0.0%	0.1 0.1%	
CTD	0.0	268.4	204.2	268.4 268.4%	64.2 23.9%	0.0

SCHEDULE VARIANCE

Description and Cause: The CTD favorable SV is due to ORP directed acceleration of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 IS-1 work plans in support of the DOE, Richland Operations Office (RL) Tri-Party Agreement M-15 Milestones.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable CV is due to cost savings in closure of old cross site transfer lines.

Impact: None.

Corrective Action: None required.

5.08.02 - WASTE TREATMENT PLANT FEED DELIVERY PROGRAM

Scope Description: The Waste Feed Delivery (WFD) program provides the minimum required technical analysis, waste characterization, and project definition activities necessary to provide waste to the Waste Treatment Plant (WTP). The WFD program work activities include a variety of cross-cutting programmatic activities supporting WFD to the waste treatment facilities, including characterization, WFD engineering and modeling support including management and maintenance of the retrieval and transfer technical baseline, WFD program/project management support, and DST retrieval/transfer management. This work element will provide feed delivery evaluations using the Hanford Tank Waste Operations Simulator model.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	439.2	439.2	376.3	0.0 0.0%	62.9 14.3%	
CTD	15,051.1	15,051.1	13,559.8	0.0 0.0%	1,491.3 9.9%	22,019.8

SCHEDULE VARIANCE

Description and Cause: The CM and CTD variances are within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to ongoing cost efficiencies in level of effort support for WFO Project Controls (improved systems, organizational realignment and co-location to improve performance) and Tank Waste Database Support (staff reductions). The CTD favorable CV is due to ongoing cost efficiencies in level of effort labor for WFO Project Controls (improved systems,

organizational realignment and co-location to improve performance); Startup and Testing (use of direct staff instead of subcontracted labor and reduced material usage); and Tank Waste Database Support (staff reductions). Favorable CV partially offset by unfavorable CV for Office of VP Project Delivery (additional unplanned DBVS staff assigned to manage Expert Review Panel issue resolution and exhauster fabrication cost correction to support Vapors).

Impact: None.

Corrective Action: None required.

5.08.03 - DST RETRIEVAL PROGRAM

Scope Description: The baseline for this WBS element includes activities required to plan, provide, and operate systems for retrieving waste from the DSTs, preparing it for feed to the WTP, and then transferring it to the WTP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	80.3	6.0	80.3 80.3%	74.3 92.5%	
CTD	1,676.3	1,930.7	2,210.5	254.4 15.2%	(279.8) -14.5%	1,676.3

SCHEDULE VARIANCE

Description and Cause: The CTD favorable SV is due to acceleration of the Tank-241-AN-101 Retrieval Systems work in support of Tank-241-C-104 Retrieval.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD unfavorable CV is due to previous cost overruns on the AN-101 mixer pump procurement which is partially offset by ongoing cost efficiencies on accelerated work for the AN-101 Retrieval System and level of effort Project Support to Construction of DST Retrieval Systems.

Impact: None.

Corrective Action: None required.

5.08.04.01 - PROJECT W-314 (TANK FARM RESTORATION AND SAFE OPERATIONS)

Scope Description: The baseline for Project W-314 provides essential tank farm infrastructure upgrades to support waste feed delivery to the WTP and to correct environmental compliance deficiencies with the tank farm support systems. Work scope includes waste transfer line installation, valve pit upgrades, ventilation system upgrades, instrument/control system upgrades, electrical distribution system upgrades and installation of a Master Pump Shutdown (MPS) system. The project scope includes Phase 1 and 2 upgrades in seven different tank farms (AN, AW, AY, AZ, AP, SY, and A), as well as transfer system upgrades between tank farms.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	441.4	231.2	441.4 441.4%	210.1 47.6%	
CTD	2,865.8	6,656.1	6,852.5	3,790.4 132.3%	(196.4) -2.9%	2,865.8

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable SVs are due to the acceleration of Project W-314 work including Farm electrical upgrades, the Monitoring and Control System, ventilation and Startup, Testing and turnover and Readiness.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to efficiencies on the AP Farm electrical upgrades and Startup, Testing and Turnover Phase 2. The CTD variance is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.08.04.02 - PROJECT E-525 (UPGRADE TRANSFER SYSTEMS)

Scope Description: The baseline for Project E-525 provides activities required to define, design, procure, construct, test, turnover, and manage modifications to a portion of the DST Transfer System. The scope of Project E-525 is further defined within the following five design/construction packages: 1) AZ-151 Catch Tank Replacement; 2) Clean-Out Box (COB) Modifications; 3) SY-Farm Transfer Lines; 4) 204-AR Load-Out Facility Transfer Line; and 5) Plutonium Finishing Plant Transfer Lines. These modifications brought a portion of the DST transfer system into compliance with Washington Administrative Code 173-303-640, in support of Tri-Party Agreement Milestone M-43-00.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	2,712.4	2,712.4	2,982.8	0.0 0.0%	(270.4) -10.0%	2,712.4

SCHEDULE VARIANCE

Description and Cause: No work was performed on Project E-525 in FY06 and FY07. The CTD SV is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD unfavorable CV is due to cost overruns on construction of COBs and the SY-Farm Transfer Line Backfill (work performed on supplied air which was not budgeted for at the time). Unfavorable CV for construction is partially offset by cost efficiencies on the AZ-151 Catch Tank Bypass Construction and in level of effort Project Support.

Impact: None.

Corrective Action: None required.

5.08.05 - RETRIEVAL / CLOSURE PROGRAM

Scope Description: The baseline provides for Retrieval and Closure support activities in this WBS. Specifically, the scope includes program management, regulatory documentation, SST cross-site transfers, technology development, cold test facility management and maintenance, Vadose Zone support, inactive waste sites administration, Tank Farm Support Facilities/Transfer Systems. The scope also includes the Closure Project TSR/Basic Maintenance on SSTs, Closure Project Operations Essential Services, Closure Project Field Projects/Upgrades, and the solid waste management programs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	2,934.6	2,715.6	3,651.1	(218.9) -7.5%	(935.4) -34.4%	
CTD	104,033.4	101,798.3	95,993.7	(2,235.1) -2.1%	5,804.6 5.7%	148,974.5

SCHEDULE VARIANCE

Description and Cause: The CM unfavorable SV is due to work behind schedule on the Hose in Hose Transfer Line (HIHTL) Disposition Project and Liquid Mitigation of Catch Tanks/Double Contained Receiver Tanks (DCRTs). The CTD unfavorable SV is due to Tank Farm Risk Assessments (re-issue of the SST Performance Assessment has been impacted pending receipt of review comments from the Nuclear Regulatory Commission); 244-CR Vault and Liquid Mitigation of Catch Tanks/DCRTs (field work on hold pending procurement and installation of alternate retrieval pumps resulting from the S-102 spill event lessons learned); HIHTL Disposition Project (work delayed pending preparation of a Life Extension Study and agreement with State Regulators on a path forward and schedule); and T Farm Interim Surface Barrier (design completed behind schedule and procurement took longer than expected). Unfavorable SV is partially offset by favorable variance for work performed ahead of schedule (direct push sampling in C Farm, Surface Geographical Exploration in TX/TY

Farm, C Farm Corrective Measures Study Report, C Farm Data Quality Objective and U Farm Field Investigation Report).

Impact: Re-issuing the SST-PA with the Regulators comments addressed will be delayed (see Corrective Action below).

Corrective Actions: For the Performance Assessment, comments received from the EPA and Washington Department of Ecology are being resolved pending receipt of the NRC's comments. However, other documents that rely on the issuance of the SST PA (i.e. WMA C PA) will not be impacted because they cannot be issued until the Tank Closure and Waste Management EIS is issued in January 2008.

CR Vault and Liquid Mitigation of Catch Tanks/DCRT's fieldwork is expected to resume in December when the alternate pumps are delivered.

Based on negotiations with Regulators and the Life Extension Study, the HIHTL Disposition Project work for FY07-09 is being re-planned via a Baseline Change Request.

The T-Farm Surface Barrier construction is in progress and is expected to be completed in the next few months.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to costs on the T Farm Interim Surface Barrier exceeding the baseline estimates (additional steps to complete the required work including transportation of soil into the respective area, grading and compaction of soil prior to placing material, development of an infiltration area for water run-off, interior trench and anchor supports for the material and associated material costs). This overrun is partially offset by ongoing efficiencies in SST Operations Essential Services. The CTD favorable CV is due to underruns in SST Operations Essential Services partially offset by overruns in SST TSR/Basic Maintenance (labor planned in Essential Services being utilized in SST TSR/Basic Maintenance account to complete preventive and corrective maintenance activities); cost savings on Isolate Transfer System

Components work; cost efficiencies in Infrastructure support from Fluor Hanford and Lockheed Martin Services; and miscellaneous other cost efficiencies and savings in Grand Junction Gamma Logging, Retrieval Technology Development, Cold Test Facility Management and Maintenance and Liquid Level and Video Assessment. The favorable CVs are partially offset by unfavorable variances for Vadose RCRA Corrective Actions (T Farm Interim Surface Barrier discussed in the CM CV above) and CP Office of the VP (unplanned purchase of spare cameras and unplanned costs for vapor sampling for chemicals of concern).

Impact: Potential impact to T Farm Interim Surface Barrier completion date and cost.

Corrective Action: An analysis of the Barrier work and costs are being performed to optimize schedule and costs. Lessons learned will be applied to future potential interim barrier work.

5.08.06/.07 - SST RETRIEVAL EAST / WEST AREA

Scope Description: The baseline for this element includes activities required for the retrieval of all 149 SSTs. The scope includes project management, design and engineering, retrieval procurement, retrieval system installation, and retrieval startup and readiness. Scope in this WBS also includes the operations of the SST retrieval systems, post retrieval sampling, and the retrieval data reports.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,469.5	2,314.5	1,996.5	845.1 57.5%	318.1 13.7%	
CTD	42,388.1	69,869.1	60,653.9	27,481.0 64.8%	9,215.1 13.2%	52,240.1

SCHEDULE VARIANCE

Description and Cause: The CM favorable SV is due to accelerated work performed on Tank C-104 Retrieval (design, procurement and construction), Tank C-110 Retrieval (design) and C Farm Infrastructure (to support C-104/AN-101 Retrieval); and S-112 Retrieval. The favorable SV is partially offset by unfavorable SV for C-109 Retrieval (BCWS in the CM for work completed in earlier months) The CTD favorable SV is due to accelerated work performed on Retrieval of Tanks S-102, C-104, C-110 and C Farm Infrastructure; and work completed ahead of the contract period schedule on Retrieval of Tanks C-108 and C-109 (design, construction, startup and retrieval).

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable is due to efficiencies and progress taken on Retrieval work for Tanks C-104, C-108, C-109 and C-110 (full performance was taken against Tanks C-108 and C-109 this month as the tanks were declared at the retrieval limits of available technology; future work on these tank retrievals will take progress against the hard heel activities). The favorable CM CV was partially offset by unfavorable variances on C Farm Infrastructure

and unplanned costs for S-102 leak event investigation, corrective action plan and cleanup. The CTD favorable CV is due to efficiencies on Retrieval of Tanks C-104, C-108, C-109, C-110, S-102, S-112 and S-109 (partial retrieval). The favorable CV is partially offset by overruns on Tank C-103 Retrieval (equipment problems and increased sampling), Tanks C-201-204 Retrievals (equipment issues), C Farm Infrastructure and unplanned costs for S-102 leak event investigation, corrective action plan and cleanup.

Impact: The large favorable CV generated through retrieval savings is being reduced by S-102 Recovery costs.

Corrective Action: Continued acceleration of C-104 and C-110 Retrieval activities will help minimize the unfavorable cost variance from S-102.

5.08.12/.13 - SST CLOSURE

Scope Description: The baseline provides the scope for tank farm closure which includes those activities required for interim closure of each tank in the farm, followed by closure of the entire farm once all tanks within the farm are interim closed. Scope for interim closure of each tank includes characterization, engineering evaluation and reporting, deactivation and isolation of transfer lines, pits and penetrations to the tank, and placement of a grout layer in the bottom of the tank to stabilize the residual waste.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	19.3	19.3	26.6	0.0 0.0%	(7.3) -38.0%	
CTD	795.8	795.8	754.2	0.0 0.0%	41.6 5.2%	1,101.8

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD CV is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.09 - TREAT & DISPOSE WASTE (EXCLUDES WBS 5.09.02.02/.03/.05/.08/.11; 5.09.03.01/.04)

Scope Description: The baseline provides for the remaining scope for WBS 5.09, which includes the Infrastructure Services that provide for electrical power to the WTP, Strategic planning including the support to Optimization Studies, Project W-QQQ immobilized high-level waste (IHLW) Shipping Facility support, and support to the Tri-Party Agreement Milestone M-62-08 deliverables. Also included are the Failed Melter Disposal System and future expansions to Integrated Disposal Facility (IDF). Both are outside of the contract-to-date reporting. Startup and Turnover, performance of Operations Readiness Reviews, and turnover of the constructed IDF to Operations are included in this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	306.5	307.5	222.4	1.0 0.3%	85.0 27.7%	
CTD	9,041.4	9,054.2	7,277.4	12.9 0.1%	1,776.8 19.6%	13,904.0

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to labor efficiencies in Supplemental Treatment Strategic Planning and Infrastructure Services Phase 1 (reduced electrical usage at the WTP). The CTD favorable CV is due to efficiencies in the aforementioned Strategic Planning and WTP electrical usage as well as underruns in the ILAW (Baseline Management, Systems Definition and

Performance Assessment). The favorable CV is partially offset by overruns in the Integrated Disposal Facility (IDF) Operations care and custody (equipment calibrations and performance testing, procedure development, training and habitat mitigation).

Impact: None.

Corrective Action: None required.

5.09.02.02 - TRU / LLW PACKAGING

Scope Description: The baseline provides for the design, construction, testing, operation, and decommissioning of a system to treat contact-handled transuranic mixed (CH-TRUM) waste for eventual shipment/disposal at the Waste Isolation Pilot Plant. 1) CH-TRUM Waste Packaging: Nine tanks are currently thought to contain CH-TRUM waste: four T-200 series SSTs, four B-200 series SSTs, and Tank 241-T-111; 2) Remote Handled transuranic mixed (RH-TRUM) Waste Packaging: Three tanks are currently thought to contain RH-TRUM waste: 241-AW-103, 241-AW-105 and 241-SY-102; and 3) Low-level waste (LLW) Packaging: activities required to operate a system to package LLW such that the packages can be sent to a licensed facility for disposal. One tank, 241-T-110, is currently thought to contain LLW. The volume of LLW in this tank is approximately 400,000 gallons.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	0.0	0.0	65.6	0.0 0.0%	(65.6) -65.6%	0.0

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD unfavorable CV is due to residual costs received in early FY 2006.

Impact: None.

Corrective Action: None required.

5.09.02.03/.08 - LAW TREATMENT

Scope Description: This work element includes the facilities and systems to treat LAW that will not be treated at the WTP. The work scope includes design, permitting, procurement, construction, startup and testing, readiness, operations, and decontamination and decommissioning of a treatment facility in the 200 East Area. Scope includes the same activities for a 200 West Area facility and a 200 West Area Pretreatment Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	43.1	43.0	14.5	0.0 0.0%	28.5 66.3%	
CTD	1,467.1	1,467.2	1,384.8	0.0 0.0%	82.4 5.6%	2,150.2

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD CV is within the threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.09.02.05/.11 - DEMONSTRATION BULK VITRIFICATION SYSTEM PROJECT

Scope Description: The baseline provides work scope to issue procurement package and award contract; contract costs; support contract costs; and direct labor costs for project management and control, permitting, safety document preparation, readiness review activities, and engineering for the following: vendor design, fabrication, construction, installation, testing and operation of a Supplemental Treatment Test and Demonstration Facility; vendor design and fabrication of a salt waste retrieval system; and vendor design and construction required for Supplemental Treatment Test and Demonstration Facility site preparation, including infrastructure. The following is also provided: direct labor costs for installation, startup and operation of a salt waste retrieval system; material and utility costs in support of Supplemental Technology Demonstrations; and decontamination and decommissioning costs associated with Supplemental Technology Demonstrations.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	181.9	712.7	1,500.9	530.8 291.9%	(788.2) -110.6%	
CTD	26,821.1	39,976.2	42,772.1	13,155.1 49.0%	(2,795.9) -7.0%	28,231.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable SVs are due to accelerated work performed on the DBVS Project to support resolution of the Expert Review Panel (ERP) issues (Integrated Dryer/Melter Test, Molten Ionic Salts and Critical Decision 2).

Impact: None.

Corrective Action: None

COST VARIANCE

Description and Cause: The CM unfavorable CV reflects accrual of DBVS subcontractor retroactive rate increases resulting from a Defense Contract Audit Agency (DCAA). The CTD unfavorable variance is due to additional subcontractors' effort to complete initial design (in prior years) plus the aforementioned rate increase this month.

Impact: Additional funding is required for FY08 testing of pellet optimization in the full-scale mixer/dryer and for the FY08 design modification effort resulting from the ERP issues resolution

Corrective Action: Sources of additional funding are being investigated.

5.09.03.01 - INTEGRATED DISPOSAL FACILITY

Scope Description: The baseline provides for planning, designing, and constructing the onsite expandable IDF for disposing of compliant ILAW stream packages produced at the WTP and through supplemental treatment, and the DOE, Richland Operations Office (RL) generated mixed low-level waste (MLLW) and LLW. The IDF will consist of the initial capacity near-surface, remote-handled waste trench facility to support WTP Operations ILAW Production and the RL MLLW and LLW disposal quantities. Infrastructure necessary to provide operations and maintenance support (e.g., utilities, roads, and fencing) will be provided by this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	7,132.9	7,132.9	5,366.1	0.0 0.0%	1,766.8 24.8%	7,132.9

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M. Work on this Facility is completed.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable CV is due to cost effective management of the Integrated Disposal Facility (IDF) construction changes, utilization of internal engineering resources rather than subcontracted support, and less project management resource usage than planned.

Impact: None.

Corrective Action: None required.

5.09.03.04 - PROJECT W-464 (INITIAL IHLW STORAGE FACILITY)

Scope Description: The baseline provides for Project W-464, Interim Storage Facility, which is a Canister Storage Building Retrofit Subproject that addresses initial operations storage. This element provides onsite interim storage for Initial Operations IHLW canisters until they can be shipped to an offsite geological repository. The planning for receipt and interim storage of the IHLW canisters shall comply with the Waste Acceptance System Requirements Document and the Office of Civilian Radioactive Waste Management Waste Acceptance Preliminary Specifications. This WBS covers equipment for transportation of IHLW canisters from the WTP to the interim storage facilities. The work scope activities included under this WBS element are as follows: Provide Project Management (Capital) and project engineering required for execution of design, procurement and construction of the Interim Storage Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	109.4	109.4	35.1	0.0 0.0%	74.3 67.9%	109.4

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M. No work is currently being performed on this Project.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable CV is due to cost effective use of support resources on Project W-464.

Impact: None.

Corrective Action: None required.

5.10 - ANALYTICAL TECHNICAL SERVICES

Scope Description: The baseline scope includes ATS management and Hanford Services support in order to meet the capability/capacity requirements on the 222-S Laboratory complex for the Hanford mission. Also included are: 222-S Laboratory spares; 222-S Laboratory spare reserves; capital equipment not related to construction; technology development activities; performance of facility assessment and characterization activities; development of National Environmental Policy Act of 1969 and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance plans; development of deactivation endpoints and turnover package; activities to flush, isolate, and blank process or sub-process systems; and removal of radioactive and hazardous materials and mixed wastes.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,618.9	1,653.6	1,333.9	34.7 2.1%	319.7 19.3%	
CTD	50,724.7	50,483.2	44,847.0	(241.6) -0.5%	5,636.2 11.2%	76,652.5

SCHEDULE VARIANCE

Description and Cause: The CTD SV is within the threshold of ±10 percent or $1M.

Impact: None

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM favorable CV is due to less than planned ATL Readiness to Serve costs; less core and grab sample analysis for Tank Sampling; Fluor Hanford (FH) crane and rigging support and labor charges because of continued de-mobilization of U-361 core sampling for FH is due to less than planned ATL Readiness to Serve costs and less tank sampling labor due to continued support to FH; and less than planned 222S Lab. Base Services FH support for Corrective and Preventative Maintenance activities. The CTD

favorable CV is due to 1) 222S Base Services: less than planned dedicated matrixed staff in support of Maintenance, Production Control and Technology Development; planned labor rates being greater than actual costs; and revised waste volume projections for 222S base Services less than originally planned, 2) Tank Sampling: greater than planned labor costs directed to FH in support of the core sampling of U-361 and less than planned core and grab sampling analysis and related Crane and Rigging costs due to continued de-mobilization of U-361 core sampling, 3) ATL Waste Handling: less than planned waste projections (costs align with actual laboratory production), 4) ATL Readiness to Serve: less than planned total ATL liquidation and readiness to serve costs for the Company, coupled with increased liquidation costs to the projects, reduced the ATL Readiness to Serve costs, and 5) Waste Management: minor offsetting unfavorable CV due to greater than planned costs in FY07 for the treatment of LLCE due to increased retrieval activities, LR56 engineering study and disposal of CTF hazardous waste..

Impact: None.

Corrective Action: None required.

Milestone M-45,-50,-60 Single-Shell Tank Corrective Action

I. Near-Term Deliverables:

- **M-45-55-T04, Submit to Ecology for review and comment a draft of the A-AX, C, and U Field Investigation Report.**
  Due: 04/30/06
  Status: Deleted. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007. Reports are currently on schedule for release and inclusion in the RFI (M-45-55).

- **M-45-55, Submit to Ecology for review and approval as an Agreement primary document a Phase 1 RFI report integrating results of data gathering activities and evaluations for WMAs S-SX, T, TX-TY, A-AX, B-BX-BY, C, and U; and related activities, including groundwater monitoring and impacts assessment using Hanford Site groundwater models, with conclusions and recommendations.**
  Due: 01/31/08
  Status: On Schedule. The 33 chapters (focused on the general reader) and 14 appendices (focused on professional audiences), are undergoing final review. Draft chapters and appendices have been sent to Ecology and EPA for informal review. Six detailed documents (focused for the subject matter expert) have been released with an additional three being finalized.

  TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **M-45-56, Complete Implementation of Agreed to Interim Measures.**
  Due: 07/31/08
  Status: On Schedule.

- **M-45-58, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Master WorkPlan that describes the proposed approach for the completion of Corrective Action to meet Final Closure Requirements in the Waste Management Areas as described in Appendix I, Section 2.3.**
  Due: 12/31/08
  Status: On Schedule. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **M-45-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA. C.**
  Due: 12/31/08
  Status: On Schedule. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **M-45-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C.**
  Due: 12/31/10
  Status: On Schedule.

- **M-45-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Implementation Work Plan for WMA C.**
  Due: 7/31/12
  Status: On Schedule

II. Significant Accomplishments:

The T-Farm interim barrier is being constructed. The sloped base of the barrier is complete, the run-off channel configured, and the infiltration area prepared. Geotextile anchor trenches are being excavated. Approximately 1,300 square feet of barrier has been sprayed.

- Initiated direct push work at C WMA. Eight initial exploration holes have been driven and logged.
- The TX and TY geophysics work is proceeding: analysis of well-to-well resistivity survey is nearing completion, and 14 of 48 surface to surface lines have been collected.
- TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

III. Significant Planned Actions in the Next Six Months:

- Complete construction of the interim surface barriers at T-106.
- Complete SGE data collection at WMA TX-TY.
- Issue RCRA Facility Investigation Report (with the Field Investigation Reports for A, AX, C, and U WMAs as Appendices)
- Comment disposition workshops will continue on the initial SST-PA

IV. Issues

Weather conditions are slowing the placement of the T-106 interim barrier.

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms

SST Retrieval and Closure Program

I. Deliverables

- **M-45-00, Complete Closure of all Single-Shell Tank Farms**
  Due: 9/30/24
  Status: To Be Missed

- **M-45-00B, Complete Specified "Near-Term" SST Waste Retrieval and Interim Closure Activities, to Result in the Retrieval of all Tank Wastes in WMA-C SSTs Pursuant to the Agreement Criteria in Milestone M-45-00**
  Due: 9/30/06 (Or as otherwise indicated within the descriptive text of this milestone.)
  Status: Missed.
  - Completion of four limits of technology retrieval demonstrations:
    - Saltcake dissolution (S-112): Completed (M-45-03C)
    - Modified sluicing (C-106): Completed
    - Vacuum retrieval (C-200s): Completed; C-203 field retrieval operations completed on 3/24/05; C-202 retrieval completed on 8/11/05; C-201 retrieval completed on 3/23/06; C-204 retrieval completed on 12/11/06.
    - Mobile retrieval (C-101, C-105, or C-111): C-101 start of retrieval is currently projected for fiscal year 2011 (October 2010).

  - Implementation of full-scale LDMM technologies for the first three 100-series tank retrievals following Tank S-112:
    - Tank S-102: High Resolution Resistivity (HRR) system installed; supporting retrieval operations. System was electrically shut down with all power to the S-102 area in response to a waste spill on July 27, 2007. Power will be restored to S-102 as soon as safely possible.
    - Tank C-103: HRR system demonstration complete.
    - Tank C-108: HRR system installed; supporting retrieval operations.
    - Completed HRR injection tests at S-102.
    - Submitted HRR evaluation report and recommendation for further deployment.

  - Submittal of TWRWPs:
    - Tanks C-201, C-202, C-203, and C-204: Completed on 4/8/04
    - Two (2) 100-series tanks by 7/31/04: Completed on 7/29/04 (C-103 and C-109)

  - Four (4) 100-series tanks by 10/31/04: Completed on 10/8/04 (C-102, C-104, C-107, C-108, and C-112).
  - Five (5) 100-series tanks by 1/31/05: Completed on 1/24/05 (C-101, C-105, C-110, and C-111).

- Submittal of Waste Management Area (WMA) integration plans by 6/30/05:
  - WMA C: Completed; submitted from ORP to Ecology on 6/22/05
  - WMA T: Completed; submitted from ORP to Ecology on 6/22/05.

- **M-45-00C, Initiate Negotiation of SST Waste Retrieval and Closure Activities and Associated Schedules (for the Period February 2007 through August 2008)**
  Due: 9/30/06
  Status: Missed

- **M-45-00D, Initiate Negotiation of the SST Waste Retrieval and Closure Activities (for the Period September 2008 to September 2013)**
  Due: 1/31/08
  Status: To Be Missed

- **M-45-00E, Initiate Negotiation of SST Waste Retrieval and Closure Activities for the Remainder of the SST Program**
  Due: 10/31/12
  Status: To Be Missed

- **M-45-05, Retrieve Waste from all Remaining Single-Shell Tanks**
  Due: 9/30/18
  Status: To Be Missed

- **M-45-05-T05, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
  Due: 9/30/07
  Status: To Be Missed

- **M-45-05-T06, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
  Due: 9/30/08
  Status: To Be Missed

- **M-45-05-T07, Initiate Tank Retrieval from Seven Additional Single-Shell Tanks**
  Due: 9/30/09
  Status: To Be Missed

- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**

Due: 9/30/10
Status: To Be Missed

- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**
  Due: 9/30/11
  Status: To Be Missed

- **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**
  Due: 9/30/12
  Status: To Be Missed

- **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**
  Due: 9/30/13
  Status: To Be Missed

- **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**
  Due: 9/30/14
  Status: To Be Missed

- **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/15
  Status: To Be Missed

- **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/16
  Status: To Be Missed

- **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/17
  Status: To Be Missed

- **M-45-06, Complete Closure of all Single-Shell Tank Farms in Accordance with Approved Closure/Post Closure Plan(s)**
  Due: 9/30/24
  Status: To Be Missed

- **M-45-06-T03, Initiate Closure Actions on a WMA Basis**
  Due: 3/31/12
  Status: To Be Missed

- **M-45-06-T04, Complete Closure Actions on one WMA**
  Due: 3/31/14
  Status: To Be Missed

II. Significant Accomplishments

- Continued design and construction work for the C-104 retrieval system.
- Received delivery FoldTrak vehicle and initiated testing of at Cold Test Facility.

III. Significant Planned Activities in the Next Six Months

- Reach resolution on missed M-45-00B and M45-00C milestones.
- Continue testing of FoldTrack at Cold Test Facility.
- Perform readiness assessment to resume C-Farm retrievals.
- Deploy FoldTrak in C-109 and complete retrieval.
- Deploy FoldTrak in C-108 and complete retrieval.
- Continue construction for C-104 retrieval system.
- Complete comment resolution on the Mobile Retrieval System (MRS) TWRWP and obtain Ecology approval.
- Complete comment resolution on the C-110 TWRWP and obtain Ecology approval.
- Revise leak detection monitoring sections of approved TWRWPs and obtain Ecology approval.

IV. Issues

- The MRS TWRWP, the last of the TWRWPs identified in Milestone M-45-00B, has not been approved by Ecology. ORP submitted a revised MRS TWRWP for tanks C-101/105/111 to Ecology on April 26, 2007. ORP received Ecology comments on October 22, 2007. Comment resolution is in progress.
- Milestones M-45-00B (retrieve all C-Farm tanks) and M-45-00C (initiate negotiations on next set of SST retrievals) were both due on September 30, 2006 and missed. DOE, Ecology, and EPA began TPA negotiations in May 2007, to address these and other milestones.

C-FARM RETRIEVAL SUMMARY SCHEDULE FORECASTS [a]

Tank	Final Design Drawings complete	Construction Complete	Process Control Plan Complete	Start Retrieval	Complete Retrieval	TSAP Complete	Retrieval Data Report or Appendix H to Ecology/EPA
C-101	7/2/09	8/5/10	9/1/10	10/1/10	1/6/12	12/6/11	9/27/12
C-102	1/14/11	10/13/11	12/9/12	1/9/12	11/20/12	10/20/12	11/18/13
C-103	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-104[c]	11/14/07	2/19/08	2/6/08	TBD	10/28/08	9/28/08	9/3/09
C-105	5/2/12	6/5/13	7/30/13	8/30/13	3/6/14	2/6/14	12/4/14
C-106	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-107	3/21/14	12/19/14	2/26/15	3/26/15	12/18/15	11/18/15	4/26/17
C-108	Complete	Complete	Complete	Complete	9/1/08	8/1/08	4/31/09
C-109	Complete	Complete	Complete	Complete	5/5/08	4/4/08	1/31/09
C-110[bc]	11/29/07	4/1/08	3/30/08	TBD	12/3/08	11/3/08	7/29/09
C-111	8/18/14	9/21/15	11/21/15	12/21/15	4/28/16	3/28/16	1/31/17
C-112	10/18/13	7/23/14	9/9/14	10/9/14	3/25/15	2/25/15	3/1/17
C-201	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-202	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-203	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-204	Complete	Complete	Complete	Complete	Complete	Complete	Complete

a. Completion dates are based on the statused performance baseline as of 10/31/07 and are subject to change as efforts continue to identify and implement schedule efficiencies.
b. Projected dates for C-110 are based on utilizing Modified Sluicing technology and availability of acceleration funding.
c. Schedules are being updated for inclusion of S-102 corrective actions and compensatory measures.

SST RETRIEVAL SEQUENCE DOCUMENT

I. Deliverables

- **M-45-02M, Submit Biennial Updates to SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days**
  Due: 3/1/06 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: Complete.

- **M-45-02N, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
  Due: 3/1/08 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule

- **M-45-02O, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
  Due: 3/1/10 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule

- **M-45-02P, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
  Due: 3/1/12 (Biennially thereafter. Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule

II. Significant Accomplishments

- Agreed to modeling assumptions for M-45-02N submittal.

III. Significant Planned Activities in the Next Six Months

- Submit Update by 3/1/08.

IV. Issues

- None

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

Tank 241-C-106

I. Deliverables

- **M-45-05H, Interim Completion of Tank C-106 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/04
  Status: Completed

- **M-45-05L-T01, Complete Full-Scale C-106 Waste Retrieval**
  Due: 11/1/03
  Status: Completed

- **M-45-05M-T01, Submit C-106 Waste Retrieval Results, Analysis of Residual Waste(s), and (if appropriate) Request for Exception to the Criteria Pursuant to Agreement Appendix H**
  Due: 2/27/04
  Status: Completed

II. Significant Accomplishments

None.

III. Significant Planned Activities in the Next Six Months

- Submit C-106 Appendix H document revisions to NRC to complete their review of the C-106 exception request (concurrent courtesy transmittal to Ecology and EPA).
- Continue SST PA comment resolution with Ecology and EPA.

IV. Issues

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement and associated Record of Decision (ROD); forecast completion for the final EIS is June 2009.

Tank 241-S-102

I. Deliverables

- **M-45-05C, Complete S-102 Initial Waste Retrieval Project Construction (to Include all Physical Systems Including Those Necessary for Leak Detection, Monitoring, and Mitigation)**
  Due: 3/31/04
  Status: Completed

- **M-45-06C, Submit a Certified S-102 Component Closure Activity Plan, as an Application for a Modification to the Hanford Site-Wide Hazardous Waste Facility Permit to Ecology**

Due: 9/30/04
Status: Completed

- **M-45-05A, Complete Waste Retrieval from Tank S-102**
  Due: 3/31/07
  Status: Missed. As a result of equipment failure on March 14, 2007, retrieval operations were suspended at Tank S-102 with retrieval approximately 91% complete and approximately 423,000 gallons total waste removed. Retrieval restarted on July 25, 2007 and was suspended after a waste spill on July 27, 2007. Spill recovery actions are in progress.

- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/11
  Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

II. Significant Accomplishments

- Continued removal of above grade equipment in preparation for removal of contaminated soil.
- Continued planning for removal of contaminated soil.
- Conducted Proof of Principle test on Sand Mantis. Test report being written.

III. Significant Planned Activities in the Next Six Months

- Recover from the waste leak of July 27, 2007 (including removal and disposal of contaminated equipment and soil).
- Resume retrieval.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure.

- On July 27, 2007 a leak of up to 114 gallons of tank waste occurred from the S-102 pumping system. Operations were suspended and recovery actions started immediately.

- Milestone M-45-15 requires the submittal, by ORP, and approval by Ecology of a "Closure Demonstration Plan" and incorporation of the plan in the Site-wide Permit. Approval of closure plans is being held in abeyance by Ecology until issuance of a Record Of Decision for the Tank Closure EIS (Ecology letter dated August 15, 2006).

Tank 241-S-112

I. Deliverables

- **M-45-06B, Submit a Certified S-112 Component Closure Activity Plan, as an Application for a Modification to the Hanford Site-Wide**

Hazardous Waste Facility Permit to Ecology
Due: 9/30/04
Status: Completed.

- **M-45-03C, Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Single-Shell Tank S-112**
  Due: 6/30/05
  Status: Completed.

- **M-45-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/11
  Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-13A, Imbedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
  Due: 12/31/07
  Status: On Schedule. Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007

- **M-45-13B, Imbedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank.**
  Due: 12/31/07
  Status: On Schedule. Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007

II. Significant Accomplishments

- None

III. Significant Planned Activities in the Next Six Months

- Prepare and submit the S-112 RDR.

IV. Issues

- Milestone M-45-13 requires the submittal, by ORP, and approval by Ecology of a "Closure Demonstration Plan" and incorporation of the plan in the Site-wide Permit. Approval of closure plans is being held in abeyance by Ecology until issuance of a Record Of Decision for the Tank Closure EIS (Ecology letter dated August 15, 2006).

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

D-001-00, Complete Interim Stabilization of all 29 SSTs

Due: 09/30/04

Status: Completed on 03/18/04 with discontinuation of pumping in U-108 and subsequent consultation with Ecology staff. Interim stabilization of S-102 and S-112 held in abeyance by third amendment to the Consent Decree; these two tanks are undergoing retrieval. ORP's obligation to interim stabilize S-102 and S-112 will be satisfied upon completion of retrieval operations. Retrieval of S-102 will be impacted by the recent spill at this tank.

II. Significant Accomplishments:

Retrieval of Tank S-112 complete.

III. Significant Planned Actions in the Next 6 Months:

Conduct recovery actions from the spill at S-102.

IV. Issues

Tank S-102 retrieval not completed by milestone M-45-05A date of March 31, 2007. The spill at S-102 will delay completion of this milestone.

Milestone M-23-00, Tank Integrity and Monitoring

I. Near-Term Deliverables:
None.

II. Significant Accomplishments:
Transmitted, "241-BY-ITS1 Liquid Level Assessment Report", RPP-RPT-32085, Revision 0, to Ecology on June 8, 2007. This closes out this milestone.

III. Significant Planned Actions in the Next Six Months:
None

IV. Issues
Nothing to report.

In Tank Characterization and Summary

For the period from November 1 – November 30, 2007

I. Accomplishments:

- Completed RPP-PLAN-435440, Rev. 0, Sample and Analysis Plan for Herbicide Used in the Vicinity of Tank 241-S-102 , on November 8, 2007.
- Completed Sampling and Analysis Plan for Contaminated Soil at Tank 241-S-102, on November 8, 2007.
- Completed Tank 241-AP-108 TSAP, RPP-PLAN-34845, Rev. 1, Chemistry Control-Push Mode Tank Sampling and analysis Plan for Tank 241-AP-108, on November 21, 2007.
- Completed DQO RPP-SPEC-33590, Rev. 0, Data Quality Objectives for the Evaluation of Stack Chemical Emissions on November 15, 2007.
- Completed Tank 241-S-302 grab sampling, required before pumping waste from the tank, on November 4, 2007.

II. Planned Action within the next Six Months:

Tank Sampling

- Tank 241-S-102 soil sample scheduled for December 2007.
- Tank 241-AP-108 core corrosion samples scheduled for December 2007.
- Tank 241-AP-103 core samples scheduled for March 2008.
- Tank 241-AW-105 grab samples scheduled for December 2007.
- Tank 241-AY-101 grab samples scheduled for December 2007.
- Tank 241-AY-102 leak detection pit scheduled for November 2007.
- Tank 241-S-102 vapor sample scheduled for January 2008.
- Tank 241-S-102 liquid sample scheduled for January 2008.
- Tank 241-S-102 liquid sample scheduled for January 2008.

BBI Updates

- Seventeen updates are planned for the first quarter of FY 2008. Eight of the 17 have been completed.

DQO s

- Complete Evaporator DQO, Rev. 5 in February 2008.
- Complete SST Component Closure DQO, Rev 4 in December 2007.
- Complete DBVS DQO, Rev. 1 in March 2008.

III. Issues:

- None.

• Milestone M-47-00, Complete Work Necessary to Support Acquisition and Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage, and Disposal Facilities

I. Near-Term Deliverables:

- **M-47-02, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first high-level waste feed to the Pretreatment/Treatment Complex.**
  Due: 03/31/09
  Status: Complete. Ecology letter dated 10/18/07 acknowledges completion of milestone.

- **M-47-04, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first low-activity waste feed to the pretreatment/treatment complex. Installation of the pump will not be required until necessary to support WTP waste feed activities.**
  Due: 03/31/09
  Status: Complete. Ecology letter dated 10/18/07 acknowledges completion of milestone.

- **M-47-03A, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial high-level waste feed tank.**
  Due: 03/31/09
  Status: Pending path forward with Ecology for renegotiation of new milestone commitments.

- **M-47-06, Complete negotiation of additional agreement requirements (milestones, target dates, and associated language) governing work necessary to support completion of treatment complex Phase I operations by 2018.**
  Due: 06/30/10
  Status: Negotiations are not yet underway.

II. Significant Accomplishments:

- Completed actions as outlined in close-out letter by Ecology

III. Significant Planned Actions in the Next Six Months:

- None.

IV. Near-term Actions Needed by DOE or Ecology:

- None

V. Issues:

- Nothing to report.

242-A Evaporator Status (previously reported under Milestone M-62, which has been closed out).

EVAPORATOR CAMPAIGNS

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY07	07-01 (07-02)	AN-106/AY-102 (AW-102)	AP-103	Campaign completed 7/22/07.
FY07	07-02 (08-01)	AP-104	AP-103/ AP-104	Campaign completed 11/15/07.
FY08	08-01 (new)	AP-105	AP-104	A proposal to add up to 2 new campaigns to the FY08 schedule is under evaluation. A baseline change request will be processed to add the campaigns if approved.
FY08	08-02 (new)	AP-101	AP-101	A proposal to add up to 2 new campaigns to the FY08 schedule is under evaluation. A baseline change request will be processed to add the campaigns if approved.
FY09	09-01	TBD	TBD	Detailed planning for FY09 and outyear campaigns subject to contract requirements.

Milestone M-48-00, DST Integrity Assessment Program

I. Deliverables:

- **M-48-15, Submit a Report to Ecology for the Re-examination of Six DSTs by Ultrasonic Testing**
  Due: 9/30/07
  Status: Complete. Ecology letter dated 10/18/07 acknowledges completion of milestone.

- **M-48-00, Complete Tank Integrity Assessment Activities for Hanford Double Shell Tanks System**
  Due: 9/30/07
  Status: Complete. Ecology letter dated 10/18/07 acknowledges completion of milestone.

Milestone M-90-00, Complete Acquisition of New Facilities, Modifications of Existing facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-20-00, Submit Part B Permit Applications.

I. Near-Term Deliverables:

- **M-20-56, Submit Canister Storage Facility Part B Permit Application**
  Due: 6/30/03
  Status: **Complete.**

- **M-20-57, Submit ILAW Disposal Facility Certified Part B Permit Application to Ecology**
  Due: 6/30/03
  Status: **Complete.**

- **M-90-09-T01, Complete Detailed Design of ILAW Disposal Facility Critical Systems to 80%**
  Due: 5/30/03
  Status: **Complete.**

- **M-90-08, Initiate ILAW Disposal Facility Construction**
  Due: 2/28/05
  Status: **Complete.**

- **M-90-10, Ready To Accept Placement of ILAW Waste in ILAW Disposal Facility.**
  Due: 8/31/08
  Status: **Complete**

- **M-90-11, Complete Canister Storage Facility Construction**
  Due: 8/31/10
  Status: To be renegotiated to align with WTP schedule.

II. Significant Accomplishments:

- Completed placement of gravel layer on portions of the North and East side slopes to provide added protection for wind erosion – November 2007.
- The IDF Permit modification to place the facility in a "pre-active life" phase was issued with an effective date of November 21, 2007.

III. Significant Planned Actions in the Next Six Months:

- Initiate nursery planting of 48,000 additional sagebrush to meet requirements of the Mitigation Action Plan on December 1, 2007.

- By agreement between ORP and Ecology, withdrawal of the Canister Storage Facility Part B Permit Application and Part A are under consideration, due to the fact that WTP operating schedule has been pushed out and the facility will not be needed as early as previously anticipated – December 2007.

IV. Issues

- None.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

Pretreatment (PT) Facility

The PT Facility will separate the radioactive tank waste into High Level Waste (HLW) and Low Activity Waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. Facility construction began November 2002 and the construction completion date is October 2014. Currently the design is 68% complete and construction is 24% complete.

The resumption of construction on the PT facility along with the resolution of major technical issues relating to caustic leaching, vessel mixing, vessel erosion, Hydrogen in Piping and Ancillary Vessels (HPAV), and Capacity Modifications have been actively pursued this month.

One the major technical activities involves the design and fabrication of the Pretreatment Engineering Platform (PEP). The PEP is a test platform designed to test the caustic leaching and Ultrafiltration processes. Previously work on the PEP has been on schedule but this month this activity experienced a change in fortune. Fabrication of the skids has been impacted to a greater extent than originally anticipated by the shortage of qualified welders both nationally and in the New Mexico area where the skids are being assembled. Changes to machine welding from manual welding helped but did not offset the impact from having to compete for welders. As the skids were being fabricated the need to modify the design and some of the vessels became evident which slowed work. As a result the date for install of the skids in the Process Development Laboratory – West (PDL-W) facility will not be complete until late March 2008 and the project cost has been commensurately increased. Modifications to the PDL-W facility where the PEP will be assembled and tested will be completed in December. Both interior and exterior modification to this facility will be complete and will be ready when ever the skids begin arriving at the site.

In March 2006, the External Flowsheet Review Team (EFRT) completed a critical review of the Waste Treatment Plant (WTP) process flowsheet for Bechtel National, Inc. (BNI). The team identified 17 major issues that, if not corrected, will prevent the WTP from meeting contract rates with commissioning and future feeds and 11 other potential issues that could prevent meeting contract rates with commissioning and future feeds. BNI developed Issue Response Plans (IRPs) for resolving all 28 issues. The plans included the actions required for issue resolution, schedules for completion, integration with other issues, and integration with the overall project schedule. ORP review and approval of all the IRPs was completed in January 2007. Examples of the major identified issues include inadequate ultrafiltration area and flux, undemonstrated leaching process, plugging of process piping, mixing vessels erosion, inadequate mixing systems, instability of baseline ion exchange resin, Pretreatment Facility availability,

lack of comprehensive feed testing in commissioning, and limited remotability demonstration. A Technology Steering Group (TSG) with joint BNI/ORP membership was officially chartered in August 2007 to coordinate formal closure of the EFRT issues and identify and manage resolution of other WTP technical issues, such as those identified in Technology Readiness Assessments. Closure records describing the actions completed to resolve eight of the 17 major EFRT issues and five of the 11 potential issues were recommended for approval by the TSG and approved by the WTP Project Manager. A Pretreatment Engineering Platform is being built to resolve potential issues with the leaching and filtration system in the WTP Pretreatment Facility. Additional testing will also be done in other laboratory and pilot scale systems to resolve the remaining issues related to sampling, line plugging, erosion, and vessel mixing.

In response to the External Flowsheet Review Team recommendations BNI has been evaluating line plugging and mixing in the various systems within the PT facility. In doing so, they have reevaluated the capabilities of the plant as design and found that between 1% and 3% of the waste could cause mixing or line plugging difficulties. Modification to the facility to accommodate these larger particles may prove to be more difficult and costly than establishing waste acceptance criteria that will exclude these particles from the plant. The Interface Control Document for Waste Feed (ICD-19) integration team (BNI, CHG, and DOE) has completed a draft engineering study that provides alternative ways of dealing with this issue. This team is on track to brief the joint management team on the results early next calendar year on the results of engineering study.

Preparation and approval of the erosion test specification and plan have been the major activities associated with testing to determine the adequacy of the vessels to withstand the erosive effects of the waste during their design life time. BNI completed the test specification which was reviewed and commented upon by DOE and Ecology. The testing subcontractor has also prepared a draft testing plan and it is also being reviewed by BNI, DOE, and Ecology. The subcontractor is also procuring components for the simulant that will be used in the upcoming tests and a specification for hard-faced test coupons is being prepared by BNI.

Bechtel National, Inc.'s (BNI) assessment program identified recurring problems with the lack of Non-Destructive Examination (NDE), Material Test Reports (MTR), and configuration management of both Commercial Material (CM) and "Q" piping spools to be installed in black cells at the WTP. Over 95% of the piping spools in question are for the Pretreatment Facility, with the remainder for the High-Level Waste Facility. These issues require the inspection of approximately 17,000 piping spools before the pipe spools can be cleared for installation in the black cells. BNI completed a root cause analysis during the month and briefed interested parties on the results. They concluded that there were two root causes for this problem:

- The Project did not establish processes to ensure that the supplier understood and would implement enhanced requirements for black cell piping.

- The Project did not have an adequate process to recognize the importance, significance, and consequences of previously identified issues.

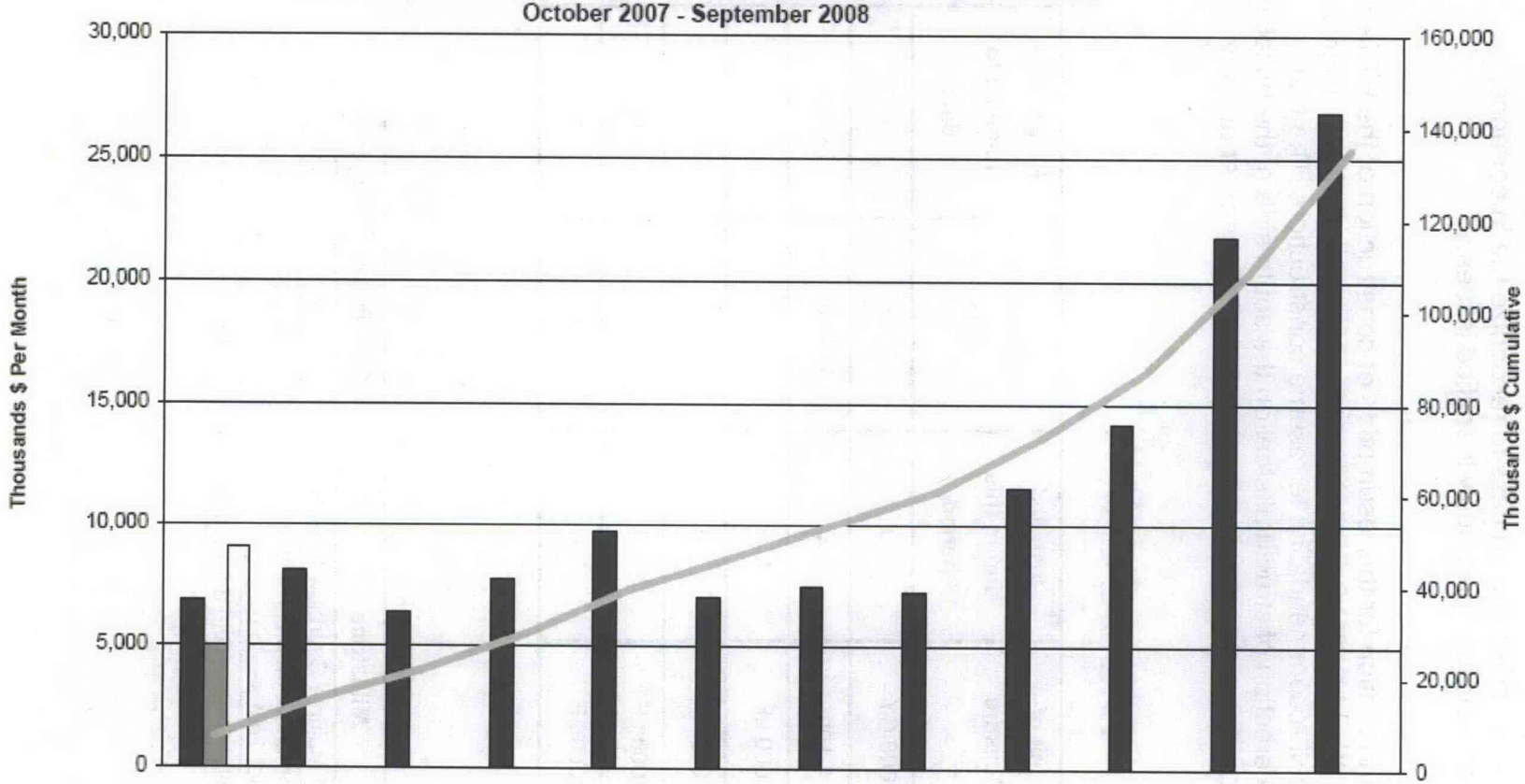
The readiness review in preparation for the resumption of construction of the PT facility has been completed by BNI and DOE has reviewed their readiness review activities and have concurred with the BNI recommendation to resume construction. The first construction activity is the erection of structural steel on the south side of the building. The placement of the first concrete is expected to occur in late December or early January.

Commodity	Unit of Measure	Installed during this period	Installed to date	Percentage installed to date
Concrete	1000 CY	0	77.13	68.76%
Structural Steel	1 Ton	0	3,010.00	18.36%
Pipe	1000 LF	0	36.95	7.01%
Cable Tray	1000 LF	0	0.34	0.94%
Conduit	1000 LF	0	17.13	8.64%
Cable & Wire	1000 LF	0	0.00	0.00%

Facility	Milestone	Scheduled	Projected
PT	Approve PJM Multiple Overblow Final Report	6/07	4/08
	EFRT Recommendation M2, Perform Submerged Jet Test	6/07	2/08
	Deliver the Filter Cave shield door to Richland	12/07	12/07

WTP Fiscal Year to Date Performance ($ In Thousands)

October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	6,935	8,168	6,410	7,814	9,775	7,038	7,468	7,297	11,604	14,182	21,784	26,883
Mthly Perf (BCWP)	5,028											
Mthly Actuals (ACWP)	9,100											
FYTD Plan (BCWS)	6,935	15,104	21,514	29,328	39,103	46,141	53,608	60,906	72,509	86,691	108,475	135,358
FYTD Perf (BCWP)	5,028											
FYTD Actuals (ACWP)	9,100											

High-Level Waste Vitrification Facility – Nov 2007

Construction at HLW resumed on August 23, 2007, after the Secretarial certification of the final seismic Ground motion criteria for WTP on August 9, 2007. Since then construction has increased steadily with about 75 crafts working at HLW currently. 3rd craft team was added to accelerate placement of slabs and wall from the current baseline. Construction worked on rebar, conduit and embedment installations and placed the 2nd Slab on-grade no. 1006, the annex wall no. 1105, and mud mats under the slab-on-grade on the nos. 1007 and 1008 on the south-east side of HLW. Work on the grounding and conduit on slab 1007 is progressing. Preparation of the Drum Transfer Tunnel walls for Special Protective coatings (SPC) is ongoing, and would be ready for the Coating in early December. Crews are also working on the rebars installations for walls around melter cell, and planning for installation of multi-commodity support steel structures at el. -21'. In addition, winterization activities are continuing throughout the facility.

Floor framing drawings for elevations 14 ft and 37 ft have been reissued incorporating Revised Ground Motion (RGM). Architectural floor plans and equipment location drawings for el. 58 ft and 72 ft are issued. The Summary Structural Report (SSR) for the HLW facility incorporating RGM have been issued and forwarded to DNFSB, completing one of the key deliverables towards closing DNFSB issues with the facility structural design. Environmental Qualification (EQ) calculations for accident temperatures and other parameters have been completed and the database has been populated. Relevant EQ data will be forwarded to the equipment vendors in next few months. Flow diagrams for HLW receipt and feed preparation associated with the Concentrate receipt process (HCP), Glass formers reagent (GFR), Melter feed process (HFP) and Canister decontamination (HDH) systems have been issued. Material requisition request for the electrical joggles for elevation 14 ft to 37 ft have been issued. The instrument datasheets to purchase 38 level transmitters and the instrument datasheets to purchase four flow control valves have been issued. Three design proposal drawings for the C2/C5 confinement system, and HLW Melter Feed Process System (HFP) air ejector assemblies have been issued. A complete revision of the –21' elevation ventilation and instrumentation diagrams was issued. This revision brings the form in line with the newly released waste acceptance impacting (WAI) procedure.

DOE completed an extensive review of a major revision to the Waste Form Compliance Plan (Contract Deliverable 6.2), and provided comments for incorporation. This revision brings it into compliance with the expectations of the Office of Environmental Management (EM-12) by incorporating the requirements established in the Memorandum of Agreement signed in February 2007 between EM and the Office of Civilian Radioactive Waste Management. This document sets forth the strategies for compliance with statutory, regulatory, and Department requirements. The waste screening form for the HLW canister processing operations has been revised. DOE received draft revisions for the production canister drawings and anticipates transmitting issued drawings for inclusion in the integrated Interface Control Document.

DOE has awarded additional testing of various glass compositions to VSL and PNNL to evaluate increasing glass production rates by varying different parameters. Increasing

average bulk glass temperature from 1150°C to 1200°C increases the production rate, however, operating at the higher temperature impacts Inconel-690™ components, the bubblers, temperature probes, and the electrodes. In addition, current glass formulation efforts have been conservative in terms of achievable waste loadings. However, glass containing high concentrations of aluminum and aluminum plus sodium containing 45 and 47 wt% waste oxides could be evaluated instead of the current ~ 20 wt% loading.

The last four load centers (HLW and PT) have been released for shipment. Review of vendor seismic report/analysis for the discharge and startup heater power supply; vendor drawings for the filter cave crane; vendor submittals for the elevation 58 ft C1V air handling units; and vendor drawings for the elevation –21 ft fan coil unit serving the HLW melter offgas have been completed.

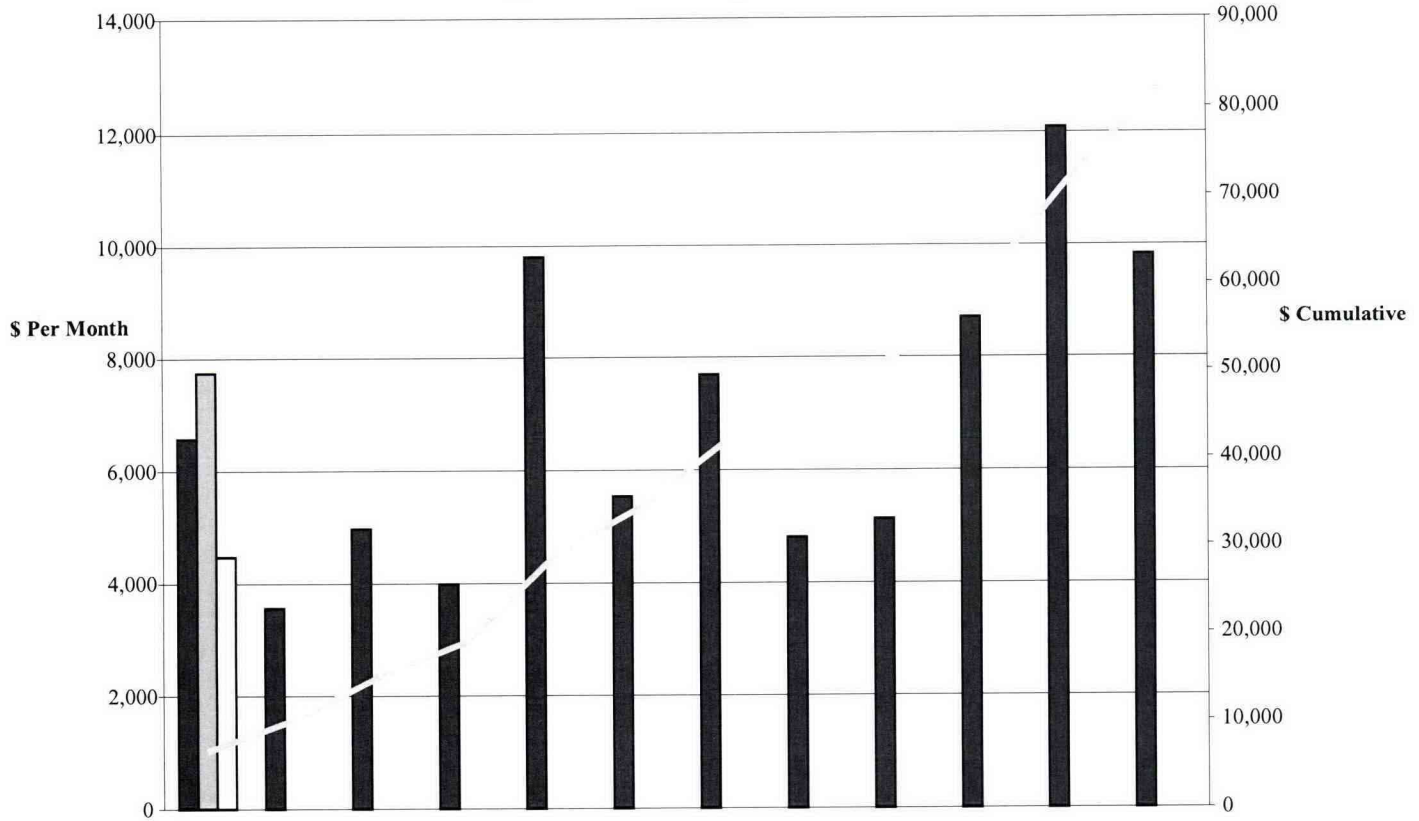
A number of issues are currently being evaluated for closure: high combustible loadings in hot cells due to crane cable insulation and crane paint beyond the Authorization basis limit; high pressure differential in some of the change rooms beyond the limit for door openings; higher temperature at the canister bogie due to conservative CFD analysis.

Melter fabrication by Petersen inc. at Ogden Utah has been going well, and delivery is anticipated by July 2008 ahead of schedule. RGM evaluations of vessels are ongoing. BNI met with the Oregon Iron Works, Inc. and completed review of the physical configuration audit report of the melter cave shield doors prepared by OIW, and developed path forward on the repair rework activities. Based on the OIW evaluation, some of the partially fabricated doors may have to be replaced due to lack of sufficient documentation by the currently bankrupt vendor, Unidynamics. Cost evaluations are various options are ongoing. A number of issues have been identified with the CGD and flow down of the quality requirements of the HEME to the sub-supplier by the vendor GE Hitachi, which will delay the planned delivery date of December 2007 significantly. Significant efforts are being exerted to improve the Commercial Grade Dedication (CGD) process at BNI and at the vendor shops to ensure that NQA-1 requirements are met. QL systems, Thermal Catalytic Oxidizer (TCO) and PreHeaters were awarded to a commercial vendor EPCON. QL vendor, WEST METALS had been working to establish a NQA-1 program at the EPCON facility to enable EPCON to perform "Q" fabrication. Due to number of issues being brought up at the final audit report for the certification of the facility, certification would be further delayed from the current plan of November 2007.

HLW Fiscal Year 2008 to Date Performance

October 2007 – September 2008

($ in Thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	6,569	3,565	4,960	3,986	9,809	5,528	7,692	4,796	5,127	8,718	12,092	9,830
Mthly Perf (BCWP)	7,740											
Mthly Actuals (ACWP)	4,466											
FYTD Plan (BCWS)	6,569	10,135	15,095	19,081	28,890	34,418	42,111	46,906	52,033	60,751	72,843	82,674
FYTD Perf (BCWP)	7,740											
FYTD Actuals (ACWP)	4,466											

Low Activity Waste (LAW) Vitrification Facility

Peterson, the melter fabricator, continues to make progress on various fronts. Approximately 78% of all the melter fabrication and construction drawings have been entered into their work process system. Work process allocates the melter work to machining, welding, fabrication, inspection, and assembly portions of the Peterson ship.

BNI and Peterson have both stated that assigning BNI personnel to the Peterson shop has resulted in significant improvements in shop efficiency. Peterson technical questions had taken several phone calls and written communications for BNI to understand the problem and develop a response. With BNI personnel in Peterson's shop the turnaround time for issue resolution can be several hours. This has improved Peterson's throughput.

BNI is proceeding with replanning of the work required to complete all LBL engineering. The replanning effort includes the segregation of work into Title II and Title III work scope. Segregation will provide a clear distinction between the work necessary to construct the facilities and the work required to support construction and commission the facilities. The initial indication is that there will be a sizable increase in the FY08 workload. No indication has been provided on the total increase in LBL Engineering estimate. Further division of the remaining workscope into "Home Office" work and "Field Office" responsibility will assist ORP in understanding new work and better clarification of baseline work. BNI has not provided an estimate of when the entire replanning BCP will be available for informal review.

Awning is being installed on the annex. Scudders and downspouts are being installed on the main facility and the annex. Roofing is being installed on the annex.

Cable tray is being installed at the 3', 28' and 48' levels. Scheduled conduit is being installed at the 28' level. Wire and fixtures are being installed at the 3' and 28' levels.

Container import conveyors are being aligned and secured on the 3' level west side.

Crane rail clips are being installed at the 3' and 48' levels.

Fireproofing repairs are underway at the -21' and 48' levels.

Fireproofing repairs are underway at the -21', 3', 28' and 48' levels.

Hangers to support the pour cave stainless steel liner and insulation are being installed.

Lightning protection components are being installed at the 68' level.

Permanent lighting is being installed on the 3' and 28' elevations.

Piping and hanger installation is proceeding on the -21', 3' and 28' levels.

Scudders and downspouts are being installed on the main facility and the annex. Roof decking is being installed on the annex.

Shield plates are being installed on the north side of the second melter cave. The shield plates compensate for the temperature fluctuation in the melter cave while providing personnel protection for the container's radiation shine.

Structural steel and decking is being painted on the -21', 3' and 48' levels.

Ventilation ducting and insulation is being installed at the 3' and 48' levels.

Wet Process Cell vessels are being shimmed to their foundation to provide support to their foundation embeds.

		Engineering		Construction		Percent
Commodity	UOM	Engr Qty Fcst	Release Act to Date	Install Act to Date	Install Act %	Installed Last Month
Concrete	1000 CY	28.544	27.402	26.096	91.42%	90.19%
Structural Steel	1 TN	6213	5855.7	5251	84.86%	84.28%
Pipe	1000 LF	106.694	101.18971	46.5	45.64%	43.77%
HVAC	1000 LB	934.045	864.695	539.369	57.83%	57.21%
Cable Tray	1000 LF	15.617	15.472	11.985	76.74%	76.00%
Conduit	1000 LF	134.994	68.164	28.425	17.23%	17.13%
Cable & Wire	1000 LF	686.597	592.185	0	0.00%	0.00%
Terminations	1000 EA	41.783	27.38	0	0.00%	0.00%

Analytical Laboratory (LAB)

Construction is planning to start stack construction on Dec 10. Stack installation on the facility is scheduled for February 2008. The stack will be assembled on a pad north of the facility allowing piping and steel installation to occur concurrently. Testing the ventilation ducting can also be conducted with the stack on the ground eliminating the need to put personnel in crane baskets for installation and testing.

F.D. Thomas is sand blasting and coating structural steel and decking. Fire protection coatings are being installed. Fire water piping is being installed.

Hot cell wall partition work and trolley installation is progressing.

Liner plate is being installed in the C3 cell and preparations are underway to install liner plate in the C5 cell.

Permanent conduit and lighting are being installed.

Permanent roofing is being installed on the facility. The roofing system has several layers. The first layer is a "Q" deck (corrugated metal) followed by a layer of insulation, a water barrier and then the final colored steel layer. The "Q" deck installation has been completed and the subcontractor is installing the insulation layer.

Pipe welding is progressing on the south side of the facility. Piping hangers are being installed above the Hot Cells.

Piping supports are being installed above the Hot cell.

The C3 and C5 cells are being prepared for stainless steel liner installation.

Ventilation ducting and hanger installation is progressing.

Work is underway on the north side of the facility to support future stack erection.

		Engineering		Construction		Percent Installed Last Month
Commodity	UOM	Engr Qty Fcst	Release Act to Date	Install Act to Date	Install Act %	
Concrete	1000 CY	12.428	11.859	11.64	0.9365948	93.66%
Structural Steel	1 TN	1720	1720	1701	0.9889535	92.91%
Pipe	1000 LF	35.524	29.8134	9.7	0.2655076	26.35%
HVAC	1000 LB	314.499	314.499	11.521	0.0366329	3.66%
Cable Tray	1000 LF	2.772	2.772	0	0	0.00%
Conduit	1000 LF	50.949	6.978	0.961	0.018862	1.89%
Cable & Wire	1000 LF	172.434	24.731	0	0	0.00%
Terminations	1000 EA	11.65	1.238	0	0	0.00%

Balance of Facilities (BOF)

The first two glass former storage silos were received at the Marshalling Yard on 19 Nov and sent to the site on 20 Nov. The remaining silos are scheduled to be delivered over the next three months. Erection of the silos is not scheduled until April 2008 to avoid impacts or winter weather.

Commodity rack steam and condensate piping is being installed. Bore holes are being drilled and piers are being installed to support the installation and placement of additional commodity rack piers. These piers will allow the commodity rack to be installed between the steam plant and LAB. Fifty-eight piers have been installed to date.

Control system terminations are being installed in the Fire water pump building. The walkdowns of the Fire Service Water system are continuing in support of turning the system over to start-up/commissioning for construction support. BNI plans to complete the system turnover by the end of the calendar year.

Electric motor starters and small bore piping is being installed in the Chiller Compressor Plant.
Fabrication of the plant service air and water piping and supports are underway in the Water Treatment Building.

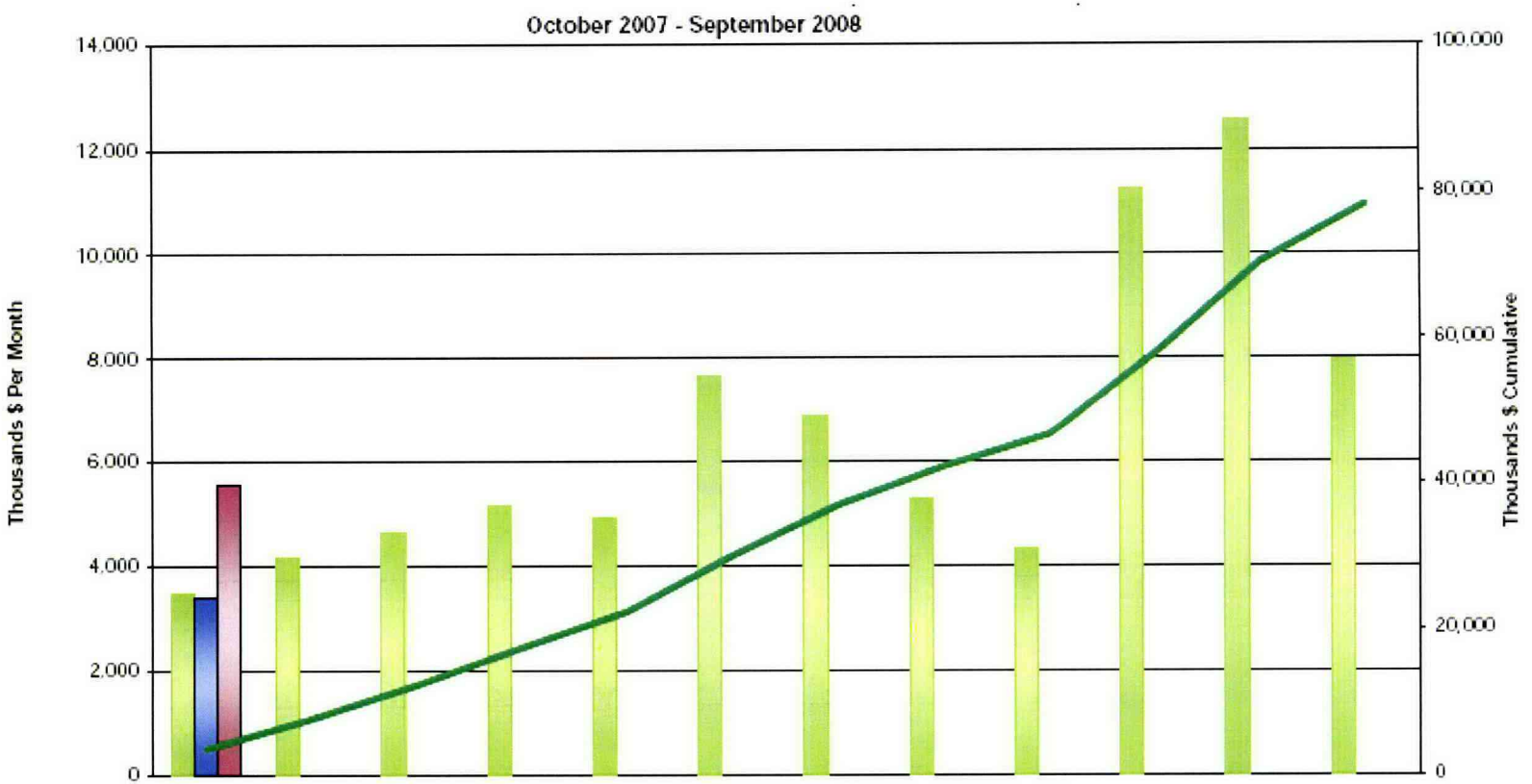
Piping and hangers are being installed between the Fire Water tank and pump building. Power conduit and concrete pads are being installed to support cathodic protection system rectifier installation.

Preparations are underway for the second placement of the Melter Assembly Pad. Rad-transfer line carbon steel containment piping between Pretreatment and HLW is being painted and shrink sleeves are being installed as part of the overall piping corrosion prevention system.

Waste-transfer line carbon steel containment piping between Pretreatment, LAW and HLW is being painted and shrink sleeves are being installed as part of the overall piping corrosion prevention system.

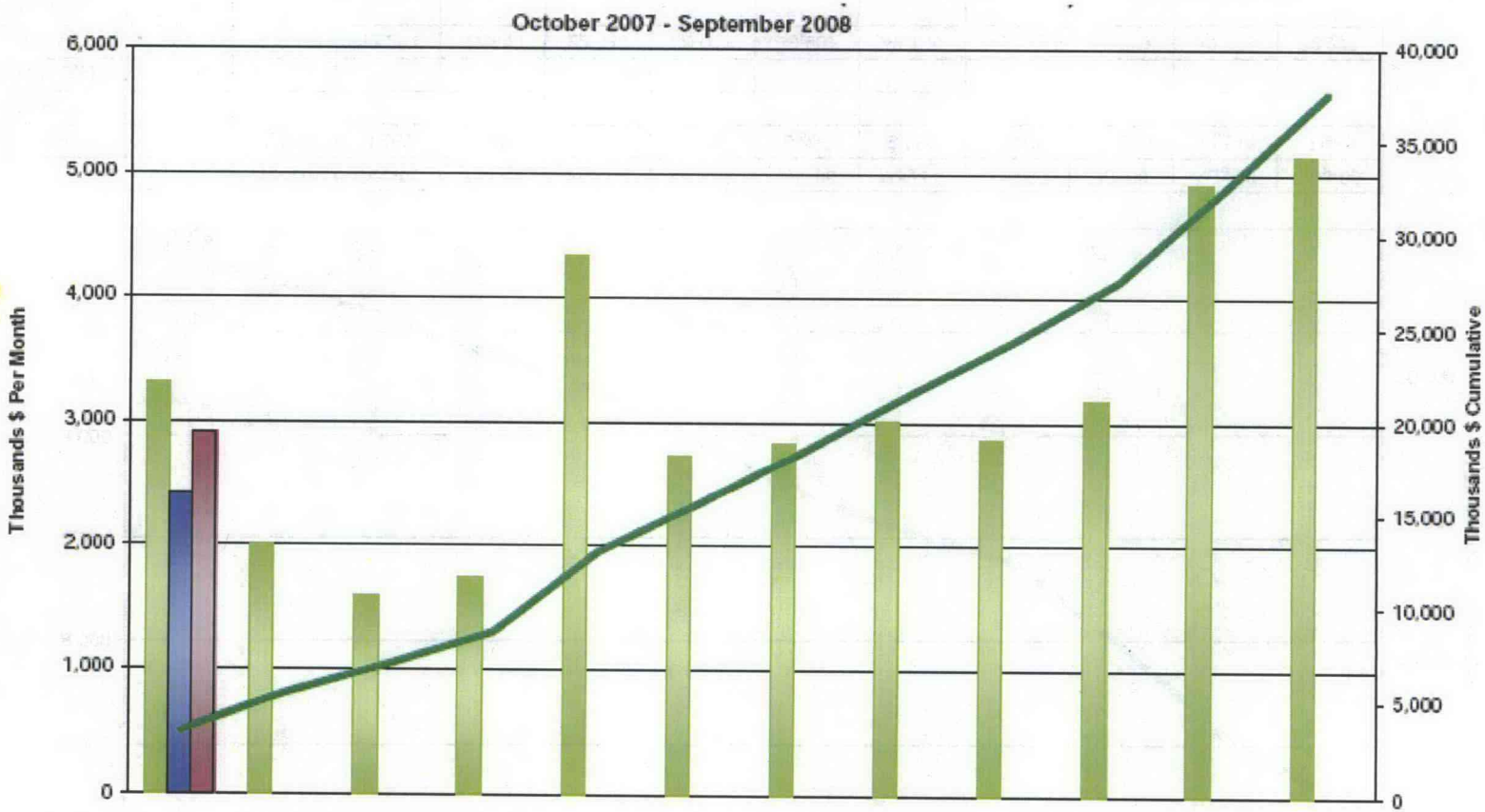
		Engineering		Construction		Percent Installed Last Month
Commodity	UOM	Engr Qty Fcst	Release Act to Date	Install Act to Date	Install Act %	
Concrete	1000 CY	18.416	13.11	10.71	58.15%	56.48%
Structural Steel	1 TN	1587	728	306.00	19.34%	19.34%
Pipe	1000 LF	52.561	30.547	7.55	14.64%	14.10%
UG Pipe	1000 LF	124.899	111.607	104.22	83.44%	83.39%
Cable Tray	1000 LF	4.174	2.8935	2.52	55.19%	55.19%
Conduit	1000 LF	63.176	41.966	19.71	31.20%	29.64%
UG Conduit	1000 LF	187.81	177.231	176.67	94.07%	94.07%
Cable & Wire	1000 LF	674.959	297.912	177.08	26.23%	26.23%
Terminations	1000 EA	24.756	2.492	0.86	3.47%	3.47%

LAW Performance for FY2007



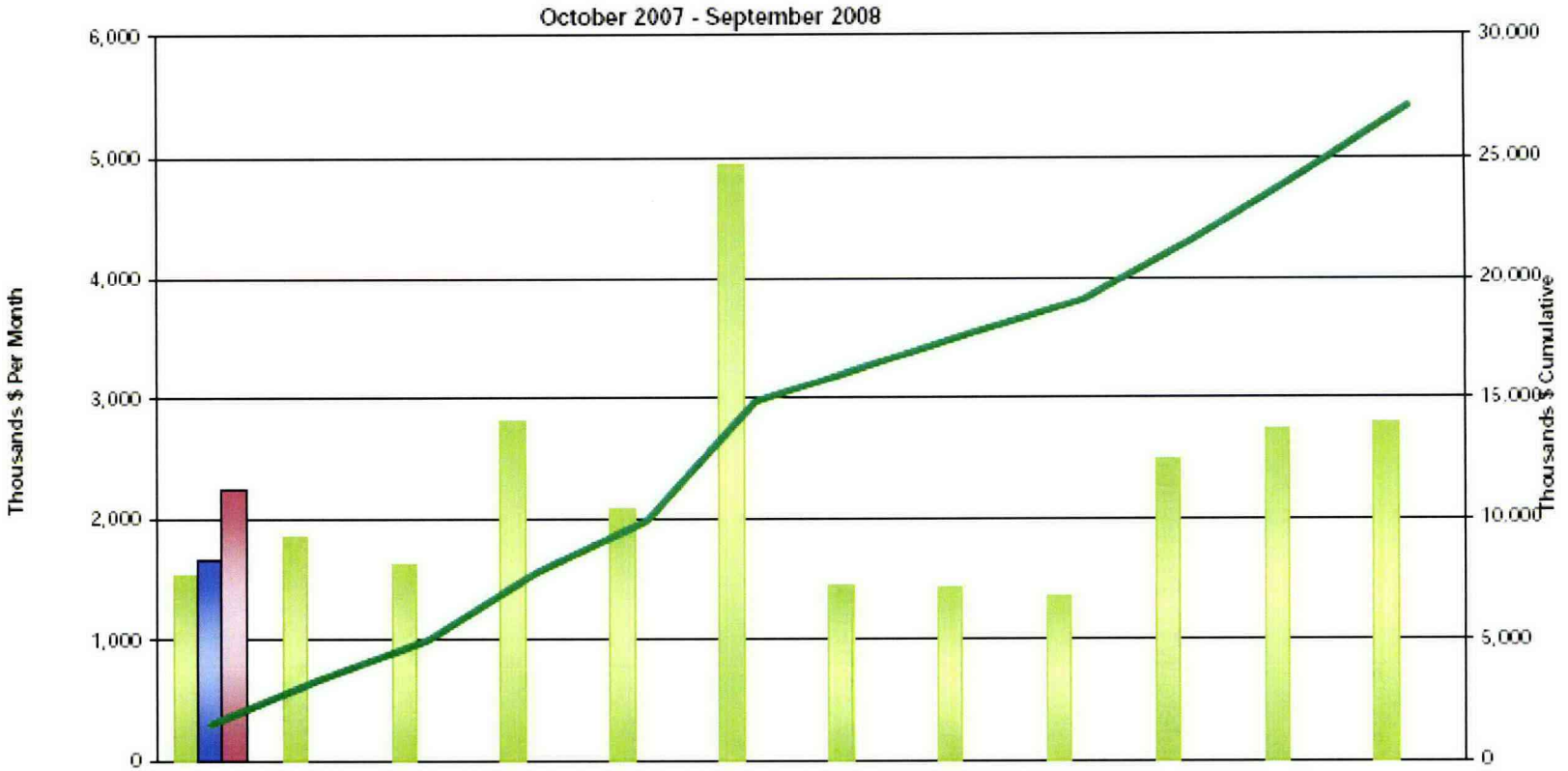
	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	3,471	4,175	4,651	5,143	4,903	7,668	6,896	5,288	4,317	11,240	12,544	7,981
Mthly Perf (BCWP)	3,408											
Mthly Actuals (ACWP)	5,554											
FYTD Plan (BCWS)	3,471	7,646	12,297	17,440	22,343	30,011	36,907	42,196	46,513	57,753	70,296	78,277
FYTD Perf (BCWP)	3,408											
FYTD Actuals (ACWP)	5,554											

BOF Performance for FY2007



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	3,305	2,005	1,587	1,729	4,326	2,730	2,825	3,009	2,861	3,182	4,914	5,138
Mthly Perf (BCWP)	2,408											
Mthly Actuals (ACWP)	2,904											
FYTD Plan (BCWS)	3,305	5,311	6,898	8,627	12,953	15,684	18,508	21,517	24,378	27,560	32,474	37,612
FYTD Perf (BCWP)	2,408											
FYTD Actuals (ACWP)	2,904											

Lab Performance for FY2007



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	1,534	1,850	1,626	2,808	2,089	4,948	1,451	1,433	1,355	2,495	2,733	2,802
Mthly Perf (BCWP)	1,654											
Mthly Actuals (ACWP)	2,253											
FYTD Plan (BCWS)	1,534	3,384	5,010	7,818	9,907	14,855	16,306	17,739	19,094	21,589	24,323	27,125
FYTD Perf (BCWP)	1,654											
FYTD Actuals (ACWP)	2,253											

Milestone M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes.

I. **Near-Term Deliverables:**

- **M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes.**
  Due: 12/31/2028
  Status: To Be Missed

- **M-62-00A, Complete WTP Pretreatment Processing and Vitrification of Hanford HLW and LAW Tank Wastes.**
  Due: 02/28/2018
  Status: To Be Missed

- **M-62-01M, Submit Semi-Annual Project Compliance Report.**
  Due: 07/31/2006
  Status: Completed

- **M-62-01N, Submit Semi-Annual Project Compliance Report.**
  Due: 01/31/2007
  Status: Completed

- **M-62-01O, Submit Semi-Annual Project Compliance Report.**
  Due: 07/31/2007
  Status: Completed

- **M-62-03, Submit DOE Petition for RCRA Delisting or Vitrified HLW.**
  Due: 12/31/2006
  Status: Completed.

- **M-62-07B, Complete Assembly of Low Activity Waste Vitrification Facility Melter #1 So That It Is Ready for Transport and Installation in the LAW Vitrification Building (BNI Baseline Schedule Activity 4DL321A200 as Part of DOE Contract No. DEAC27-01RV14136), and Complete Schedule Activity ID 4DH46102A2 – Move #1 Melter into the High Level Waste Vitrification Facility.**
  Due: 12/31/2007
  Status: To Be Missed

- **M-62-08, Submittal of Hanford Tank Waste Supplement Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle.**
  Due: 06/30/2006
  Status: Missed – Insufficient information to compare technologies due to delays in constructing the Demonstration Bulk Vitrification System (DBVS) and lack of WTP cost and schedule information.

- **M-62-09, Start Cold Commissioning – Waste Treatment Plant.**
  Due: 02/28/2009
  Status: To Be Missed

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant.**
  Due: 01/31/2011
  Status: To Be Missed

- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline.**
  Due: 06/30/2007
  Status: Missed

II. Significant Accomplishments:

- Completed dryer testing and the integrated dryer/38D full-scale melt test (IDMT).

- Completed External Independent Review of the Critical Decision 2, "Approve Performance Baseline" Submittal. Received OECM validation of the CD-2 baseline.

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III. Significant Planned Actions in the Next Six Months:

- Issue IDMT report.
- Receive Critical Decision 2.

IV. Issues:

- ORP formally informed Ecology that the Milestone M-62-08 due date was not achievable. The Milestone requires submittal of a Supplemental Treatment Technologies Report that provides a recommendation describing the technical and financial alternatives for selection of a technology, or a second WTP ILAW plant, which in combination with the WTP could be implemented to treat all of the Hanford tank waste. In a letter dated December 26, 2006, Ecology requested ORP provide the current state of information on the supplemental low-activity waste treatment options. ORP and CH2M HILL met with Ecology on January 11, 2007, to agree on information to be provided to satisfy the Ecology request. All information requested for the DBVS Project has been submitted. Information requested on Steam Reforming is still being worked.

- Resolution of the MIS issue was demonstrated during the integrated dryer/38D full-scale melt test. Issue closed.